AI IMPACT SUMMIT
भारत 2026 INDIA

सर्वजन हिताय | सर्वजन सुखाय
WELFARE FOR ALL | HAPPINESS OF ALL

Kalpā Impact

India's AI Impact Startups

A compendium of 100+ startups and non-profits delivering population scale impact

INDIAai

ॐ सर्वे भवन्तु सुखिनः
सर्वे सन्तु निरामयाः
सर्वे भद्राणि पश्यन्तु
मा कश्चिद् दुःखभाग् भवेत् ॥

May all beings be happy,
May all be free from disease,
May all see auspiciousness,
May no one suffer sorrow.

India’s AI Impact Startups

A compendium of 100+ startups and nonprofits delivering population scale impact

About Kalpa Impact:

Kalpa Impact is an applied research and consulting organisation stewarding equitable access to technology for inclusive development. Kalpa Impact specialises in AI, Digital Public Infrastructure (DPI), data, and climate resilience. We operate at the intersection of technology, strategy, and program design.

Kalpā Impact

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Shri. S. Krishnan

Secretary,

Ministry of Electronics and Information Technology, Government of India

एस. कृष्णन, आई.ए.एस.
सचिव
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Secretary

सत्यमेव जयते

इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
भारत सरकार
Ministry of Electronics &
Information Technology (MeitY)
Government of India

FOREWORD

Over the past decade, India has demonstrated global leadership in building foundational digital public infrastructure and advancing frontier technologies including AI that have transformed governance, enterprise and society at population scale. AI has now emerged as a strategic capability—shaping national competitiveness, strengthening economic resilience and enabling inclusive development.

The IndiaAI Mission is anchored in the vision of democratising the benefits of AI across all strata of society, fostering technological self-reliance, and ensuring the ethical and responsible development and deployment of AI. Anchored in public interest and driven by collaboration among government, industry, academia and startups, the Mission places strong emphasis on strengthening human capital, enabling the widespread diffusion of AI capabilities and advancing the Sustainable Development Goals—ranging from early disease detection in rural healthcare to precision agriculture for smallholder farmers.

A resilient AI ecosystem requires sustained access to capital, strong market linkages and robust institutional support—key enablers under the IndiaAI Mission. India's next phase of AI growth will be defined by scaled adoption, deeper integration into public systems and enhanced global competitiveness. Realising this vision will require coordinated and sustained action across government, startups, industry and the research community.

The India's AI Impact Startups: A Compendium of 100+ Startups and Non-Profits underscores the vision of translating this policy vision into measurable, real-world outcomes. While not exhaustive, the Compendium reflects the diversity, depth and growing maturity of India's AI ecosystem, and underscores the critical role of entrepreneurship in addressing complex societal challenges.

This Compendium serves as a valuable reference for engagement, investment and adoption within the evolving global AI landscape. I commend the startups and non-profits featured herein for their sustained commitment to delivering population-scale AI impact, and invite the broader ecosystem to deepen collaboration, accelerate innovation and scale solutions that advance inclusive, responsible and globally competitive AI-led development.

(S Krishnan)

Place: New Delhi
Dated: February 11, 2026

Digital India
Power To Empower

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Foreword of the compendium by

Shri. Abhishek Singh

Director General,
National Informatics Centre
Additional Secretary,
Ministry of Electronics and Information Technology, Government of India
Chief Executive Officer,
IndiaAI Mission

Foreword

India's experience in digital governance has demonstrated the importance of clarity of vision, scale of execution and strong institutional alignment. As AI becomes integral to governance, public service delivery and economic growth, the national focus has evolved to systemic adoption that strengthens institutions and improves outcomes at scale.

Through the Digital India and the IndiaAI Mission, the government is advancing a strategy focused on platforms, emerging technologies and responsible use. As AI-enabled solutions are deployed across sectors, it becomes important to recognise the startups, entrepreneurs and researchers that are translating technological advances into deployable, impact-oriented solutions aligned with national priorities.

The *India's AI Impact Startups: A Compendium of 100+ Startups and Non-Profits* serves as a practical resource, recognising efforts in shaping India's AI journey and providing stakeholders with a structured overview of initiatives aligned with public objectives. For policymakers and government institutions, the Compendium highlights capabilities ready for integration with existing digital public infrastructure. For industry and investors, it showcases ventures demonstrating technical maturity, scalability and long-term potential. Collectively, it functions as a unified reference to support informed engagement and adoption.

As India advances its AI ambitions, a shared understanding across stakeholders will be essential to ensure responsible and sustainable growth. This Compendium contributes to this vision by documenting a representative cross-section of India's dynamic AI innovation landscape.

Shri. Abhishek Singh

Foreword

Mr. Vilas Dhar

President,
Patrick J. McGovern Foundation

Much of the global conversation about artificial intelligence still assumes that trust follows intent. If systems are built responsibly, if principles are clearly stated, if safeguards are promised, confidence is expected to emerge. Experience suggests a different sequence. Trust is earned only when systems can be examined, challenged, and held to account by the people who live with their consequences.

Over the past decade, I have worked across governments, civil society, and markets to support the use of AI in health, climate, education, and economic opportunity. In each context, the pattern is consistent. What determines success is less the sophistication of the technology than the strength of the institutions around it. When AI scales without mechanisms that make power legible, even well-intentioned innovation struggles to sustain public confidence.

India offers an instructive perspective. Through its Digital Public Infrastructure, the country has shown how trust can be embedded within systems rather than appended after deployment. Open standards enabled scrutiny. Interoperability prevented concentration. Scale surfaced weaknesses early enough to correct them. The outcome was durable reliance built through use, not persuasion. This experience speaks as much to institutional design as to technological capability.

The enterprises featured in the India's AI Impact Startups compendium reflect this same logic. They deploy AI within real systems that serve farmers, patients, workers, and communities. Their work unfolds under constraint, in partnership with public institutions, and in environments where failure carries material consequences. These conditions are not incidental, and they are what make the innovations here instructive.

For policymakers, this compendium offers evidence that governance and innovation can evolve together. For investors and philanthropies, it highlights where talent, infrastructure, and institutional capacity align to produce impact that endures. For a global audience, it demonstrates how lessons developed in India can inform broader debates about how AI is deployed, governed, and evaluated.

As AI becomes increasingly embedded in economic and social life, the central task before us has shifted. The question is no longer whether intelligent systems can be built. It is whether the institutions surrounding them allow societies to verify how power is exercised once intelligence enters decision-making. This compendium contributes to that task by grounding the conversation in practice and by showing what it looks like when accountability is designed in from the start.

Foreword

Ms. Deepali Khanna

Senior Vice President & Head of Asia,
The Rockefeller Foundation

Across Asia, we are seeing a convergence of rapid technological change with developmental challenges. The question is no longer whether technology can contribute to climate resilience, public health, energy access, or improved livelihoods, but how to direct it toward equitable, sustainable, and inclusive opportunity.

Artificial Intelligence can be a powerful catalyst in this context. When applied thoughtfully, it optimizes systems, resource allocation, and service delivery to vulnerable communities. However, realizing this potential requires intentional design, strong partnerships, and a focus on public good. India's digital transformation offers critical lessons on balancing scale with inclusion. By prioritizing public digital infrastructure and collaborative ecosystems, India demonstrates how emerging technologies can drive sustainable development goals.

The India's AI Impact Startups compendium provides a timely window into this landscape. By documenting how Indian AI addresses development priorities across health, climate, agriculture, and finance, it gives investors and philanthropists visibility into real-world challenges and solutions primed for scale, and enables informed engagement.

For stakeholders mobilizing resources, the Compendium is a necessary tool for understanding where catalytic capital, policy engagement, and cross-sector collaboration can accelerate impact.

And for a global community working toward a more resilient future, it provides a roadmap for how innovation can complement public systems and translate technology into equitable outcomes.

Acknowledgement

This compendium, India's AI Impact Startups: A Compendium of 100+ Startups and Nonprofits Delivering Population-Scale Impact, was developed under the guidance of the IndiaAI Impact Summit leadership. The purpose of this publication is to document and showcase artificial intelligence deployments by startups delivering population-scale social and economic impact across India.

We are grateful to the Ministry of Electronics and Information Technology (MeitY) team and the IndiaAI team, especially Mr. Mohammed Y. Safirulla K, IAS, and Mr. Anshul Singhal, GM (Startups), MeitY, for their guidance in conceptualising this publication. Their inputs informed the thematic focus, sectoral coverage, and positioning of the compendium within India's AI startup ecosystem.

This work has been made possible through the invaluable support of The Rockefeller Foundation and Patrick J. McGovern Foundation, whose commitment to advancing responsible AI for social impact has been instrumental in bringing this compendium to fruition.

We acknowledge the startups, nonprofits, founders, and practitioners featured in this compendium. Their work demonstrates the potential of AI to drive inclusive growth, strengthen public service delivery, and address complex societal challenges at scale. The diversity of use cases reflects the breadth of India's AI ecosystem and its evolving role in advancing social and economic development.

Methodology

Screening Process

The selection mechanism relied on three distinct layers:

1. **Focus on essential and aspirational services:** The startup must address population-scale impact needs bridging gaps in services rather than products built for convenience (just serving “urban elite”). Hence, startups with pro-social use cases in Health-tech, Agri-Tech, Ed-Tech, Justice-Tech, AI resources (models, datasets) and improving access and delivery of public services all are part of this list.
2. The “3A’s” Lens: Startups are evaluated against a specific metric to ensure they work for diverse populations
    - **Access:** Must operate across linguistic, physical, and digital barriers (e.g., Indic support, offline functionality).
    - **Affordability:** Must minimize transaction/infrastructure costs to lower barriers to adoption.
    - **Agency:** Must empower users (e.g., enabling livelihoods/civic participation)
3. **Demonstrable Impact:** We required evidence of active deployment. Many use cases of AI are still early, in which case the selectors looked for “credible signals of use” such as critical pilots with results, support from credible organisations, specific community needs addressed, and institutional adoption, rather than theoretical capability.

Critical Note: As of early 2026, the Department of Industry and Internal Trade recognises over 2 lakh startups registered in India. With the quick pace of activity in the startup ecosystem, most startups have innovative AI use cases and technologies. This compendium is a sampling and not a comprehensive list of AI startups present in the region.

Exclusion Criteria

Stage of Development: Ventures in the concept or idea stage are excluded. Inclusion requires tangible evidence of a solution, such as product-market fit or early adoption. Interestingly between the start and completion of this compilation M&A activity in the space led to the acquisition of two startups e.g. Embibe, which has been excluded (showcasing the pace of activity in this space)

Target Demographic: Solutions built primarily for convenience, efficiency, or a small urban elite are excluded.

Lack of Evidence: Startups without credible usage data or demonstrable implementations are excluded

Scope Exclusions: The report explicitly excludes deep dives into AI risk assessment, mitigation frameworks, or malicious use of AI, focusing instead on impact.

Sources

The report relies on structured secondary research validated through data triangulation. No primary research (direct communication with startups or beneficiaries) was conducted.

Sources used in this list include:

Government and Policy Repositories:

- IndiaAI startup list
- MeitY publications
- NITI Aayog website and compendiums

Databases:
Startup databases like Traxcn, Social Alpha, Nasscom etc.

Triangulation Resources:

- ***Regulatory bodies for license checks:*** CDSCO (healthtech), RBI/NPCI (fintech), SEBI (financial services).
- ***Digital Publications and Platforms:*** Media reporting (ET, Mint, Business Standard, etc), startup forums etc.
- *Investor Event Reviews*
- *Relevant company websites*

India's AI startups are blazing a new trail

Eight insights about population scale impact

Sushant Kumar
Founder and CEO
Kalpa Impact

Anish Sood

India's startup ecosystem has long been characterised by its speed of adoption. Now, with the rise of Artificial Intelligence, it is demonstrating a new capability: the speed of adaptation. Kalpa Impact team conducted an analysis of 97 startups and 13 non profits deploying AI in India for population scale impact. Our analysis revealed a rapidly developing ecosystem that is charting a unique path, quite different from prevailing global trends. This ecosystem is focused on "super-utility" by deploying AI in the real-world for solving human needs and public service challenges.

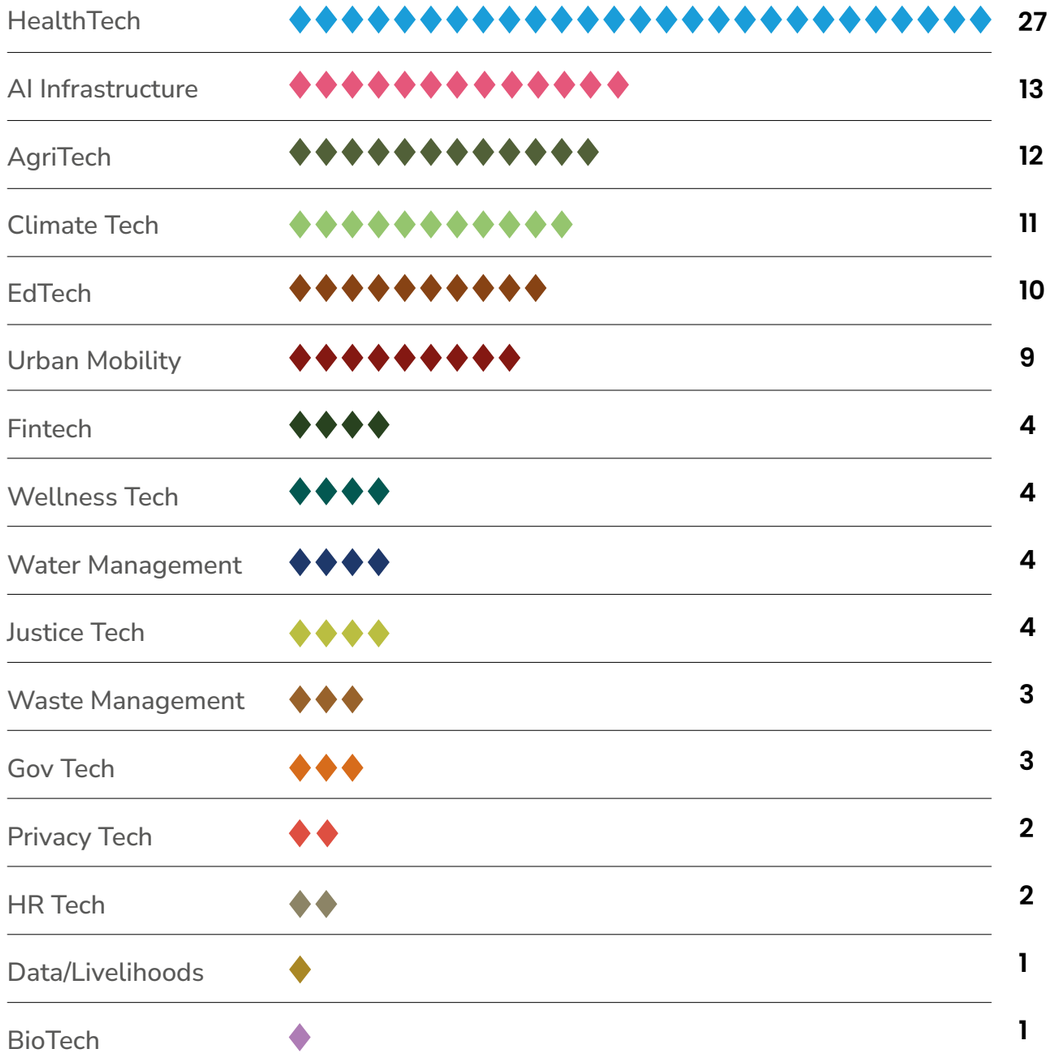
This compendium titled **India's AI Impact Startups** shows a market that is simultaneously experimenting and consolidating. Along expected lines, we observed significant activity in established sectors such as HealthTech and AgriTech. In addition, a new wave of bold founders is building complex, full-stack solutions for problems unique to the subcontinent, and relevant to the Global South.

From "Edge AI" solutions that also work without the internet to voice bots that speak local dialects, Indian founders are constructing moats that go beyond code. Here are eight of the most exciting insights of what the data tells us about the future of the Indian AI startup ecosystem.

Startups are serving innovative use cases in emerging sectors

At first glance, India's AI map looks predictable. **49% of the startups sampled cluster into three sectors with outsized public value: HealthTech, EdTech, and AgriTech.** This concentration signals founders building in high-impact markets with large Total Addressable Markets (TAMs) and established business models.

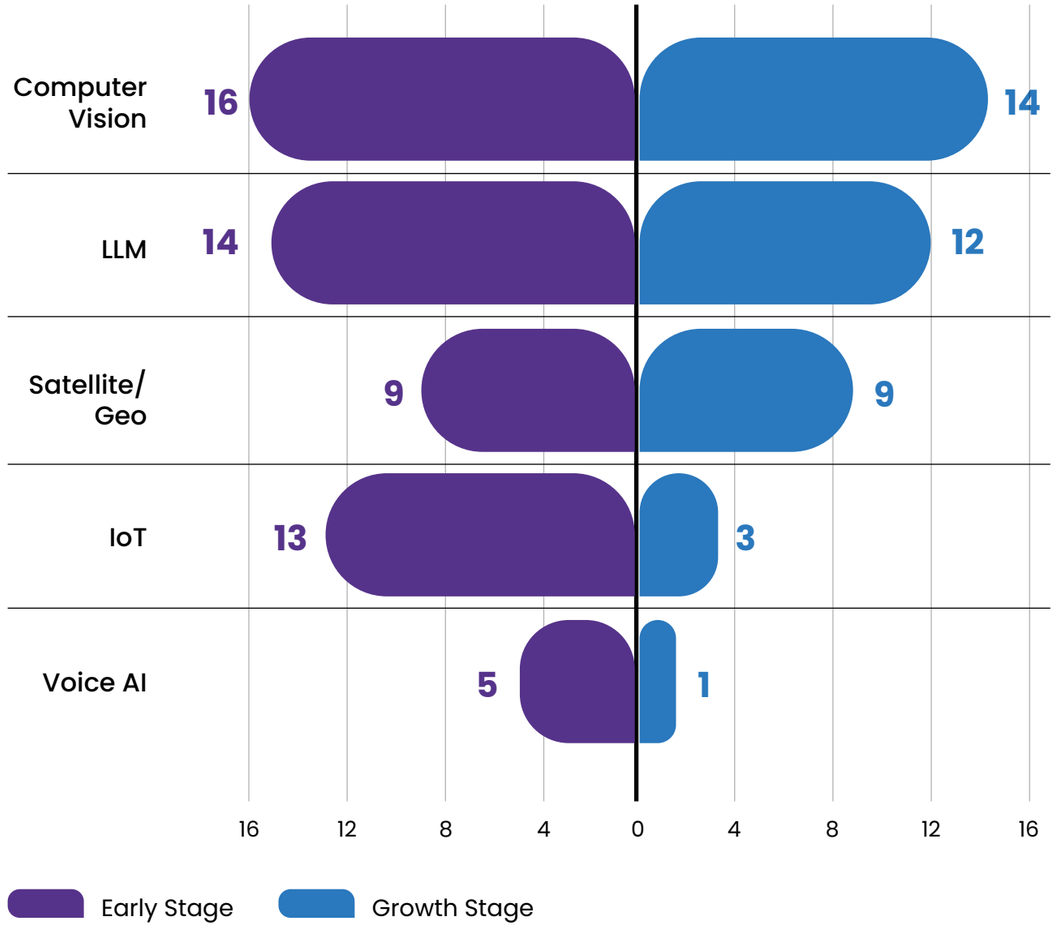
But look closer, and the long tail tells a more interesting story. **We are seeing the rise of innovation with niche utilities, from Adalat AI, acting as a real-time stenographer for Indian courtrooms, to Ishitva, using robotics to sort waste.** In addition, the ecosystem is bifurcating: we see both a digitisation of basic services, and a cohort solving structural inefficiencies in India's infrastructure.



Sample: *Data shown is based on a sample of ninety seven startups and thirteen nonprofits.*

Visual analytics and vernacular voice are shaping AI diffusion

Computer vision has demonstrated product-market fit in India, **driving adoption for growth-stage companies like Netradyne (fleet safety) and Cropin (farm analytics)**. On the other hand, voice AI is emerging as the primary tool for user acquisition. **28% of the early-stage cohort is focused on vernacular interaction, addressing the digital literacy barrier rather than the efficiency problems solved by vision.** Companies like **Jivi AI and KissanAI** effectively bypass the keyboard, suggesting that for the mass market, the primary interface will be spoken, not written.



Sample: *Data shown is based on a sample of ninety seven startups and thirteen nonprofits.*

Building for Bharat provides opportunity to scale

Building for rural India (Bharat) is complex. Customer acquisition costs are high, and average revenue per user is low. Consequently, only **7% of early-stage startups sampled explicitly target underserved populations in rural India.**

However, the trends reveal that it takes time but offers the opportunity to scale. **By the growth stage, the share of startups in our sample serving rural markets jumps to 18%. Companies like DeHaat (serving 2.5 million farmers) and ConveGenius prove that if you can survive the early burn, rural distribution becomes an unbreachable moat.** In building AI for India, rural isn't a niche; it's a filter for resilience.

Early Stage | 66 total startups | **9 rural focussed**

15%

Growth Stage | 31 total startups | **10 rural focussed**

30%

Successful global forays

Indian startups are building for Bharat and the world. **47% of early-stage ventures already have global ambitions. By the growth stage, 68% operate internationally.**

Startups like **Lightmetrics are deployed in over 130,000 vehicles globally, and Yogifi serves customers in 17 countries.** India is rapidly transitioning from a back-office IT hub to an AI export hub for emerging markets worldwide. The problems that startups have solved in India such as resource constraints, low bandwidth, cost sensitivity, are relevant and replicable globally.

Early Stage

32%

Growth Stage

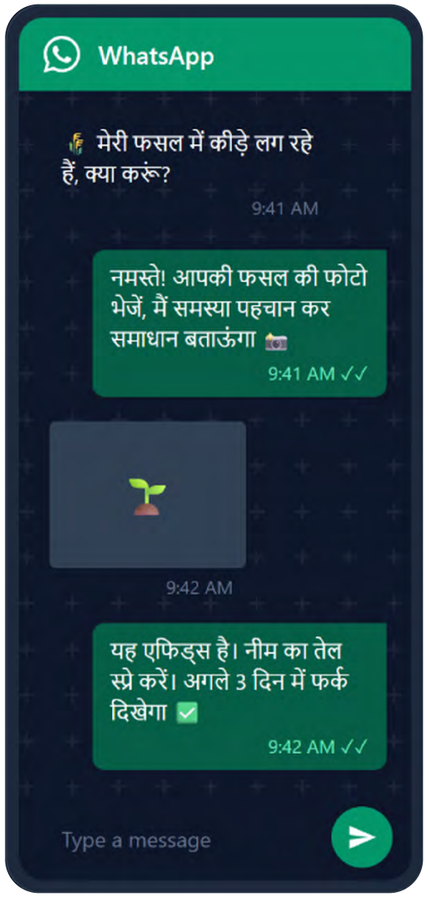
79%

Sample: *Data shown is based on a sample of ninety seven startups and thirteen nonprofits.*

WhatsApp as an AI adoption channel shows early promise

India has over 500 million WhatsApp users, making it the ubiquitous operating system of the country. 8% of the 100 AI startups in our sample deliver services via the platform.

Those who do, like **Wysa (therapy), Fasal (farm advisory), and Khushi Baby (health worker guidance)**, are seeing massive engagement. For AI targeting the "next billion", WhatsApp is an underutilised distribution medium in the country. The friction of downloading a new app is high while the friction of chatting with a bot on WhatsApp is near zero.



India's WhatsApp Users

500M+

The ubiquitous OS of India

Adoption Gap

8% of AI 100

deliver services via WhatsApp

Those who do, see massive engagement

Wysa | Therapy

Fasal | Farm Advisory

Khushi Baby | Health Guidance

Sample: *Data shown is based on a sample of ninety seven startups and thirteen nonprofits.*

AI for public services has been supported by government partnerships

For years, governments were viewed primarily as a regulator. **In the AI era, the Indian state has become an important buyer.**

B2G (Business-to-Government) partnerships show up across 24% of all the sampled startups. This is true with even early stage companies at **20% of the early stage startups, while the number understandably rises to 35% at the growth stage.** The path to scale for high-impact AI - whether it's Qure.ai in public health or SatSure in crop insurance, runs through partnerships with the government. With initiatives like the Digital Public Infrastructure (DPI), the government is actively seeking AI layers to be built on top of Aadhaar identity and UPI-enabled payment layers.

Foundation model builders are nurturing India's core AI capabilities

While a majority (87%) of startups are innovating at the layer of applications, an ambitious cohort of builders, including Sarvam AI, Soket AI, Pixa AI, and Eka Care, is betting on Made in India foundation models. Whether it is reducing inference costs for Indic languages or training on proprietary clinical data, these companies are making a harder bet. As frontier models get commoditised and API costs drop, the application layer will see margin compression. The founders building their own models today are betting that in the long run, owning the brain is more profitable than just renting it.

Edge AI and hardware innovation are the next frontiers

8% of startups in our sample are building for "Edge AI", which processes data locally on a device rather than sending it to the cloud. Building Edge AI requires complex hardware-software co-design. We do see a trend of younger startups increasingly turning to IoT and proprietary data capture, moving from "wrappers" to full-stack hardware solutions, to build true defensibility. This space represents an opportunity for founders willing to solve complex engineering constraints that can unlock value for Bharat.

Sample: *Data shown is based on a sample of ninety seven startups and thirteen nonprofits.*

India's AI ecosystem is charting a path distinctly its own, producing AI solutions that are simultaneously local in their design and global in their relevance. Startups in this compendium are moving from first deployment to millions of users in a few short months (sometimes even days), often across borders.

This compendium profiles 110 of these organisations, a snapshot of an ecosystem that is growing faster than any single report can capture. We hope it serves as both a map of where impact is already being delivered and a guide to where the next wave of opportunity lies.

India's AI Impact Startups

Growth Stage

AIRA Matrix

Clinical intelligence for digital pathology across diagnosis, research, and drug development

HealthTech

Impact

Up to 40% reduction in diagnostic turnaround time

enabling faster pathology reports and earlier treatment decisions for cancer patients.

Achieved 95% sensitivity and 96% specificity

in detecting histopathological abnormalities, enabling highly reliable and consistent pathology screening to support faster clinical decision-making.

Problem

Meena, a 52-year-old patient in Mumbai, waited anxiously for her biopsy results after a breast tumour was detected. Although her tissue slide was digitised, manual review backlogs delayed the final report, postponing treatment decisions at a critical moment.

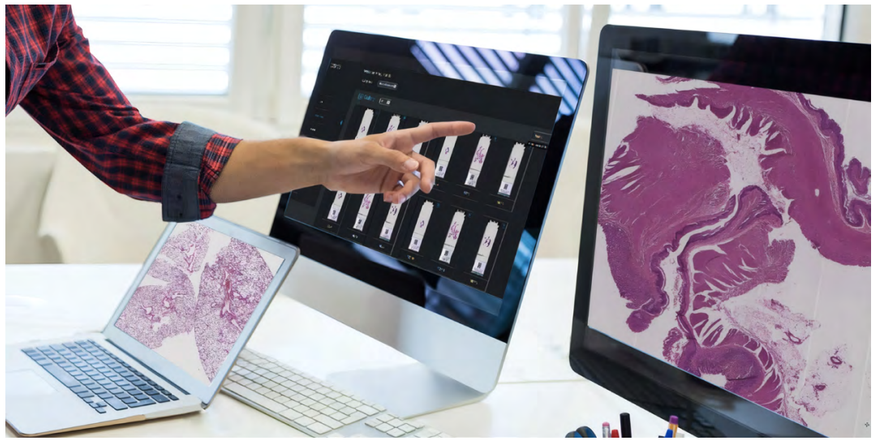
Pathology remains one of the most time-intensive bottlenecks in clinical care. **Slide interpretation, biomarker scoring, and cross-checking** are largely manual, prone to inter-observer variability, and dependent on scarce specialist expertise. As cancer incidence rises and imaging volumes grow, diagnostic labs struggle to deliver timely, consistent results, directly affecting treatment planning, prognosis, and patient outcomes.

Solution

AIRA Matrix develops a clinical intelligence platform that analyses digitised pathology images to support diagnosis, prognosis, and treatment planning. Using deep learning and computer vision, the system detects, quantifies, and scores disease-relevant features such as tumour regions and biomarkers including HER2 and PD-L1, generating standardised, quantitative outputs that support pathologist review.

The same intelligence layer extends beyond diagnostics into **preclinical research, toxicology, and drug discovery**, enabling researchers to analyse large tissue-image datasets with greater consistency and speed. By operating across clinical care, research, and quality control, AIRA Matrix provides a unified analytical backbone.

The platform integrates with existing digital pathology and image management systems and functions strictly as decision support. Clinical accountability remains with licensed professionals. AIRA Matrix reports alignment with international medical device quality standards, with select solutions carrying **CE marking and US FDA 510(k)** clearances for specific applications, enabling use in regulated environments.



AIRA Pathology System | Image Source : AIRA Matrix

Clinical intelligence layer for digital pathology workflows

Founders Profile

AIRA Matrix was founded by Chaith Kondragunta, motivated by his early work with neural networks and the belief that deep learning could transform life sciences. Drawing on experience building large-scale analytics platforms at **AnalytixInsight**, he set out to apply AI to drug discovery, digital pathology, and diagnostics.

Growth Stage

Funding Details
Not Available

Scale

- Deployed across **clinical diagnostics, translational research, and drug development pipelines** in India, the US, and Europe.
- Used by **hospitals, diagnostic labs, CROs, and pharmaceutical partners** across thousands of pathology cases.
- Scales through a **Digital Pathology-as-a-Service (DPaaS)** model, enabling adoption by labs without heavy upfront infrastructure investments.
- Strategic collaborations with digital pathology platforms and lab networks support expansion across geographies and disease areas.

For further details, reach out to connect@kalpaimpact.com

Avataar.ai

AI-native enterprise platform with domain specific AI Agents transforming workflow automation

AI Infrastructure

Impact

Enables 5x faster campaign execution and 400% CPC optimisation

for retail and e-commerce content workflows by automating product storytelling and media generation.

Achieves 85% faster operational cycles and 10x throughput

in healthcare operations such as claim denials and workflow processing, unlocking scalability in core enterprise functions

Generates 50%+ cost savings

across high-volume processes and delivers 15%+ automation-led efficiency gains in the first year, lowering operational overhead across sectors including HR, legal, and financial services.

Problem

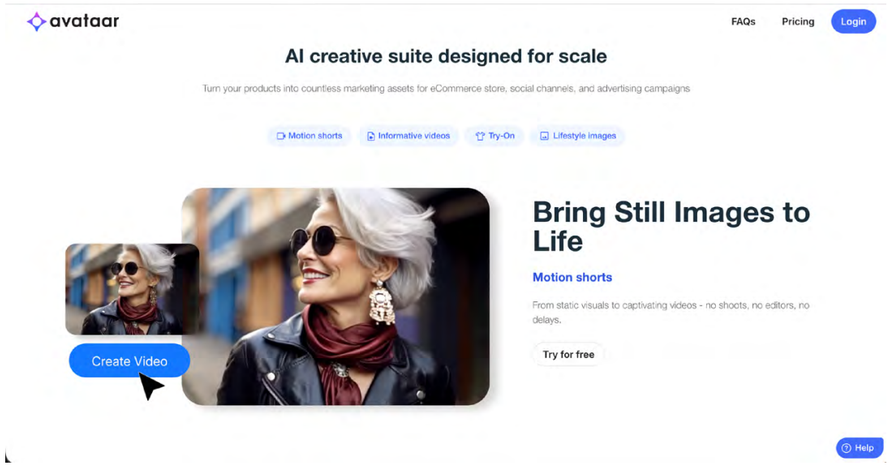
At mid-sized and large enterprises, marketing and operational teams often rely on fragmented digital tools that require manual inputs, siloed workflows, and bespoke content creation. This slows down campaign execution, increases costs, and leads to inconsistent quality across channels.

Traditional automation and content tools don't scale end-to-end, especially for rich media like videos or domain-specific decision workflows. As enterprises digitise, they need systems that do more than assist tasks: they must **drive execution, optimise performance, and reduce dependency on labour-intensive processes.**

Solution

Avataar.ai builds an **AI-native enterprise platform** that combines agentic AI with domain context to automate both operational workflows and content generation at scale. Its suite of tools such as the **Velocity product video generator** turns product URLs into promotional videos automatically, reducing cost and turnaround time for visual assets without human-intensive production workflows.

The platform embeds **domain-specialised AI agents** into enterprise processes ranging from marketing campaigns to HR and compliance so systems not only recommend actions but execute them with continuous optimisation. AI outputs are integrated with enterprise systems via APIs, preserving data governance and human oversight while improving speed and quality of execution.



Avatar Velocity Video Generator | Image Source : TechCrunch, Courtesy Avataar AI

AI agents for domain execution and scalable visual storytelling

Founders Profile

Avataar.ai was founded by Sravanth Aluru and Gaurav Baid to build enterprise-grade, AI-native platforms for large-scale operational transformation. An IIT Bombay graduate and Wharton MBA, Sravanth brings deep expertise in computer vision and scalable AI systems from his experience at Microsoft and Deutsche Bank, while Gaurav contributes strong finance and systems-thinking experience from investment banking and AI strategy, shaping Avataar's agentic AI platform.

Growth Stage

Raised a total funding of $55.5M

Scale

- **Global enterprise deployments** across retail, e-commerce, healthcare, financial services, HR, and legal workflows, with clients including brands such as **HP, Victoria's Secret, Lowe's, Newegg, TVS, Marina, and Bajaj** using the Velocity video tool in production.
- **Multi-region presence** with R&D and engineering hubs in **Bengaluru (India), San Francisco (USA), and London (UK)**, underpinning global sales and enterprise partnerships.

For further details, reach out to connect@kalpaimpact.com

Boomitra

AI-driven soil carbon removal aligned with smallholder livelihoods

Climate Tech

Impact

Works with 100,000+ smallholder farmers globally,

enabling participation in carbon markets through soil carbon sequestration.

Operates across 10+ countries,

with projects spanning India, Africa, Latin America, and Southeast Asia.

Problem

Soil is one of the largest natural carbon sinks, but in India it remains largely excluded from climate action and carbon markets. **Over 85% of Indian farmers are smallholders**, managing fragmented plots that are difficult and expensive to monitor using conventional soil sampling and laboratory testing. As a result, regenerative practices that improve soil health and store carbon often go unmeasured and unrewarded.

This creates a structural gap. Farmers bear the cost and risk of adopting better practices, while carbon buyers struggle to verify soil-based removals at scale. Without a low-cost, scalable way to measure soil carbon, soil sequestration remains difficult to finance—limiting its role in climate mitigation and missing an opportunity to supplement smallholder incomes.

Solution

Boomitra uses AI-driven remote sensing and machine learning to measure soil organic carbon without physical sampling. The platform analyses **satellite imagery, climate data, soil characteristics, and management practices** to model changes in soil carbon over time. Machine-learning models are trained on large datasets that link observed land conditions with measured soil carbon outcomes, allowing Boomitra to estimate sequestration accurately across fragmented smallholder plots.

This remote, non-invasive measurement approach enables **measurement, reporting, and verification (MRV)** at a fraction of the cost of conventional methods. Verified carbon removals are then issued as credits and sold to global buyers, with revenues shared directly with participating farmers.

By removing the measurement bottleneck, Boomitra makes soil carbon **scalable, verifiable, and inclusive,** aligning climate mitigation with improved soil health and farmer livelihoods.

How Boomitra works | Image source: Boomitra

Measuring soil carbon at scale using AI and satellites

Founders Profile

Boomitra is based in San Mateo, founded in 2017 by Aadith Moorthy. Moorthy has experience building satellite- and AI-based systems for environmental monitoring and agricultural applications, aligning closely with Boomitra's focus on scalable soil carbon measurement and verification for smallholder-led climate solutions.

Growth Stage

Raised a total funding of $4M

Scale

- **Operations spanning four major regions** — India, Africa, Latin America, and Southeast Asia — demonstrating scalability across fragmented smallholder landscapes.
- **Carbon removal credits are purchased by global enterprises**, including companies such as Microsoft and Shopify, embedding soil carbon removals into corporate climate strategies.

For further details, reach out to connect@kalpaimpact.com

Composio

AI integration layer empowering autonomous agents to act across tools

AI Infrastructure

Impact

In enterprise deployments, agent integration timelines were reduced from

over 2 months to under 6 minutes

also expanding usable action space from a small, manual tool set to

200+ instantly available integrations, while eliminating ongoing integration maintenance overhead.

Increased AI coding agent accuracy by 50%

through multi-model testing and orchestration on Amazon Bedrock, improving reliability of agent-driven actions across production workflows.

Doubled token throughput per minute from 5M to 10M and reduced model testing cycles by 2 weeks

enabling faster experimentation, validation, and deployment of agent capabilities at scale.

Problem

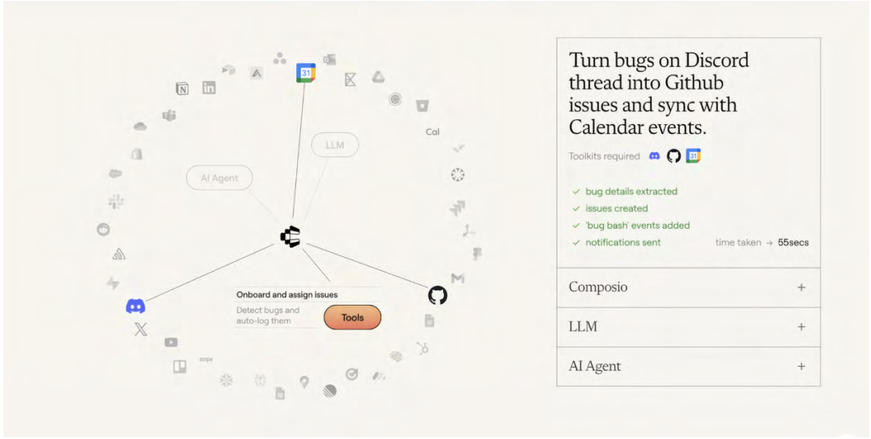
Aarav, a backend developer building an AI agent **to automate internal workflows**, quickly realises that the hardest part is not the AI logic but **connecting the agent to real tools**. Integrating email, databases, ticketing systems, and cloud services **takes weeks of setup**, testing, and fixes, slowing progress and turning rapid prototyping into a long engineering cycle.

At a system level, agentic AI adoption is **constrained by fragmented SaaS ecosystems and heavy integration overhead**. Each tool requires custom connectors, authentication handling, and continuous maintenance, making it **difficult to scale agents from demos to production.** This gap between reasoning and execution delays deployment, increases engineering effort, and limits the real-world impact of AI agents.

Solution

Composio provides a **developer-centric integration layer** that lets AI agents seamlessly interact with external applications and services. It handles **tool authentication, API calls, triggers, and security,** allowing agents to execute actions across a growing catalogue of tools without bespoke code. The platform supports **500+ toolkits** and integrates with popular frameworks and LLM ecosystems such as OpenAI, Claude, Gemini, LangChain, AutoGen and others, so agents can be built and scaled quickly.

By managing the "plumbing" of external actions including OAuth flows, API mapping and multi-agent coordination; Composio lets AI systems focus on planning and decision logic, while execution infrastructure is handled reliably underneath.



Composio Automating dev workflows by connecting AI agents | Image Source: Composio.dev

AI agent integration and orchestration platform

Founders Profile

Composio was founded in 2023 by Soham Ganatra and Karan Vaidya to build the core agentic infrastructure that allows AI agents to securely act inside real-world software tools. Soham brings deep experience in developer tooling and open-source, having previously founded Cogno AI (acquired by Dialpad), while Karan adds strong product and GTM depth from building early products at Nirvana Insurance. Their long-standing partnership and hands-on experimentation shaped Composio's focus on the "plumbing layer" that connects AI agents to 500+ enterprise applications.

Growth Stage

Raised a total funding of $29M

Scale

- Adopted at developer scale, with **100,000+ developers, 200+ customers, and 25,000+ GitHub stars**, indicating strong open-source and production usage.
- Battle-tested in real workloads, **supporting 7,000,000+ successful tool calls**, demonstrating reliability at high execution volumes.
- **Used globally across AI-first teams and platforms**, enabling agent deployment across diverse SaaS stacks and geographies, from early-stage builders to production-grade enterprise systems.

For further details, reach out to connect@kalpaimpact.com

ConveGenius

Educational platforms for personalised learning and assessment at scale

EdTech

Impact

150+ million students reached
through government education programmes using various solutions.

124 million+ student profiles
supported across **19 million devices,** enabling continuous learning engagement beyond classrooms.

155+ AI-powered conversational bots
deployed across foundational subjects and grade levels.

Active deployments across multiple Indian states
in partnership with state education departments and public education systems.

Problem

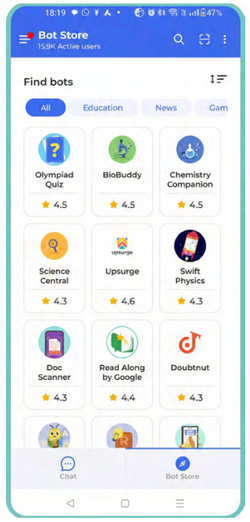
For Meena, a Class 6 student in a government school in rural Uttar Pradesh, learning gaps began early. Her classroom had over 40 students, limited teaching aids, and a single teacher managing multiple subjects. When she struggled with basic math or English comprehension, personalised support was rarely available. **Private tutoring was unaffordable, and digital platforms, where accessible, were largely video-based, English-first, and misaligned with her learning level.**

Meena's experience reflects a broader challenge across India's public education system. While enrolment has improved, learning outcomes remain uneven, particularly in foundational literacy and numeracy. **Teachers are overstretched, classrooms are heterogeneous, and real-time insight into student progress is limited.** Many digital tools replicate one-way content delivery rather than enabling adaptive, personalised learning in low-bandwidth, multilingual contexts.

Solution

ConveGenius has three solutions aimed at improving learning outcomes - SwiftChat, SwiftPAL and Swift Insights. ConveGenius' **SwiftChat is a conversational AI platform** designed to deliver adaptive, personalised learning through **chat-based interfaces** accessible on commonly used devices. Instead of static videos or PDFs, students interact with AI-powered bots that ask questions, assess responses, and dynamically adjust content based on individual understanding.

At its core, SwiftChat uses **natural language processing, adaptive learning algorithms, and recommendation models** to assess responses in real time, identify concept-level learning gaps, and serve targeted follow-up questions and explanations. SwiftChat is deployed in alignment with **NEP 2020 priorities** and integrates with government systems such as **Vidya Samiksha Kendras (VSKs)**, operating on approved infrastructure with role-based access controls and human-in-the-loop teacher oversight.



Bot Store on ConveGenius | Image source: ConveGenius

Conversational AI for personalised learning at scale

Founders Profile

ConveGenius, founded in 2013, was established by **Shashank Pandey, Jairaj Bhattacharya and Shikhar Gupta**, bringing together experience in **large-scale public systems, education reform, and technology platform building**. Shashank Pandey's background includes work at McKinsey & Company, where he focused on public-sector and education system transformation, while Nikhil Goyal brings experience in building and scaling consumer and education technology platforms, informing ConveGenius' focus on deploying AI through government education systems at population scale.

Growth Stage

Raised a total funding of $16M

Scale

- Deployed **at population scale** through partnerships with **state education departments**, embedded within public education systems rather than as a standalone app.
- Supports **millions of students** across urban and rural schools through **chat-based interfaces** that function on basic smartphones and low-bandwidth networks.
- Designed for **multilingual classrooms and mixed learning levels**, covering students, teachers, and administrators within government education workflows.

For further details, reach out to connect@kalpaimpact.com

CoRover (eSevak)

Multilingual conversational AI for government service delivery

GovTech

Impact

1 billion+

citizen interactions supported across government-facing conversational AI deployments, demonstrating large-scale public use.

District-wide deployment in Samba, Jammu & Kashmir,

where eSevak functions as an official AI-enabled grievance redressal interface for citizens.

Problem

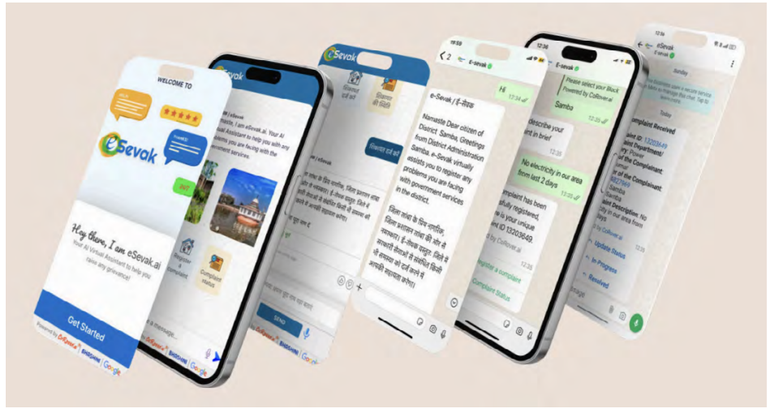
Public grievance redressal is one of the most frequent ways citizens interact with the state, with complaints related to electricity, roads, water supply, health services, and local administration filed daily. Between 2022 and 2024, **Centralized Public Grievance Redress and Monitoring System (CPGRAMS) resolved over 70 lakh grievances**, underscoring both the scale of citizen demand and the importance of grievance systems in service delivery. Yet, in many districts, grievance filing and follow-up still rely on in-person visits, paper forms, or fragmented portals, leaving citizens uncertain about registration, responsibility, and timelines.

For administrators, managing volume and coordination remains difficult. **High complaint loads, manual sorting, and unclear routing slow response times and create backlogs**, straining frontline capacity and eroding citizen trust despite investments in digital governance systems.

Solution

One of the products of CoRover is eSevak. At the citizen interface, **eSevak uses natural language processing to enable grievance filing via text or voice in multiple languages**, through familiar channels such as WhatsApp and web chat. Speech-to-text models expand access for users uncomfortable with written forms, reducing barriers to participation.

On the backend, **AI models categorise grievances, identify issue type, department, and urgency, and automatically route cases to the appropriate authority.** Officials use a unified dashboard to consolidate complaints, track status, and trigger alerts, reducing manual handoffs and follow-ups. Built on **cloud-native infrastructure on Google Cloud**, the system ensures elasticity and resilience for continuous public use. Importantly, **eSevak automates coordination, not decisions**, improving transparency, accountability, and response time while keeping humans in the loop.



eSevak application | Image source: eSevak

AI-enabled grievance management at government scale

Founders Profile

CoRover was **founded in 2016 in Bengaluru by Ankush Sabharwal**, who also leads the BharatGPT initiative. Sabharwal brings over two decades of experience building large-scale conversational and enterprise AI systems, positioning him well to deliver population-scale, multilingual AI deployments for public and private sector use cases.

Growth Stage

Raised a total funding of ~$5M

Scale

- Live support for **12–14+ Indian languages across text and voice**, enabling replication across states without rebuilding language capability.
- **Multi-channel deployment architecture,** with eSevak live across WhatsApp, web chat, and embedded government portals, meeting citizens where they already interact.

For further details, reach out to connect@kalpaimpact.com

Credgenics

Digital debt collections platform embedding AI for faster, compliant recoveries

Fintech

Impact

6x increase in average daily collections and 75% shift to digital repayments

across large rural-focused lending portfolios, improving repayment accessibility.

Up to 40% reduction in pre-due slippages

and **15% drop in late-stage overdues**, preventing small delays from escalating into defaults

80% reduction in reconciliation effort,

enabled by lender-verified digital payment links with high delivery and click success.

Problem

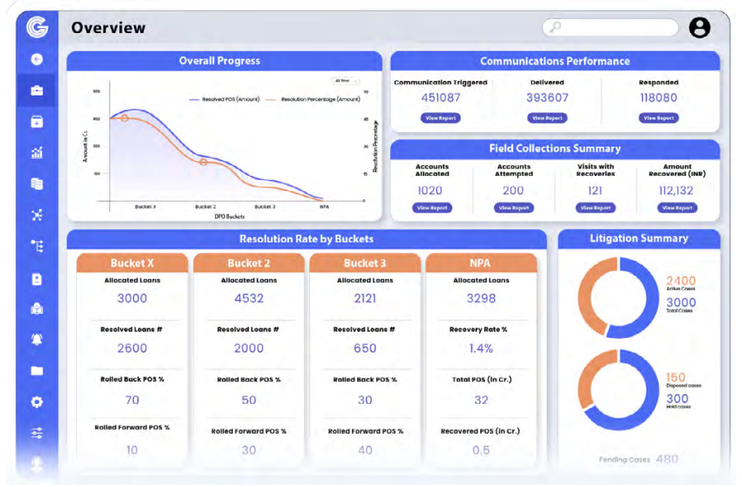
Anil, a first-time borrower, receives repayment reminders from multiple phone numbers and WhatsApp accounts. Unsure which messages are genuine and fearing scams, he delays payment, turning a short lapse into penalties and stress.

As lending expands to rural, semi-urban, and first-time borrowers, debt collection outreach is **fragmented across calls, SMS, messaging apps, field agents, and third-party vendors.** Borrowers struggle to verify legitimate communication, leading to confusion, distrust, and missed repayments. Small delays escalate into defaults not due to unwillingness, but due to **unclear, unsafe repayment pathways.** This raises NPAs and locks lender capital, while borrowers face stress, reputational harm, and exclusion from future credit.

Solution

Credgenics provides an **end-to-end AI and ML-driven collections platform** that digitises and standardises the recovery lifecycle for banks, NBFCs, microfinance institutions, housing finance companies, and fintech lenders. Borrowers receive communication only through **verified, lender-authenticated channels** such as WhatsApp, SMS, email, or digital notices, each linked to **secure, tamper-proof payment links**, eliminating scam-like outreach and building trust. Machine learning models help lenders prioritise accounts, personalise outreach timing, and route cases across digital, field, and legal workflows.

For complex cases, the platform generates structured case views highlighting risks and strengths for recovery teams to review and approve. AI functions strictly as **decision support**, with final control always remaining with the lender. Credgenics operates as a technology provider only, does not hold recovery licences, and maintains **detailed audit trails** aligned with regulatory requirements. Strong data protection measures including encryption, role-based access controls, and tamper-proof logs safeguard borrower data, while verified sender identities significantly reduce impersonation and fraud risk.



Credgenics Collections Platform | Image source: Credgenics

Using AI to make collections verified, compliant, and borrower-friendly

Founders Profile

Credgenics was founded in **2018 by Rishabh Goel along with Anand Agrawal and Mayank Khera, and Shubham Goel** after Rishabh's experience at BlackRock and Deutsche Bank revealed how outdated, adversarial recovery processes were driving NPAs and judicial burden.

Growth Stage

Raised a total funding of $79.1M

Scale

- Deployed across **100+ banks, NBFCs, fintech lenders, and MFIs** in India and other emerging markets.
- Acquisition of **Arrise** expanded on-ground operations to **18,000+ pincodes,** enabling unified digital, field, and legal recovery workflows.
- Positioned as a core infrastructure layer supporting the rapid growth of unsecured and MSME lending across the Global South.

For further details, reach out to connect@kalpaimpact.com

Cropin

Predictive agri-intelligence using AI enabling climate-smart farming

AgriTech

Impact

25M+ acres digitised globally

enabling continuous, satellite-based crop monitoring and decision support.

10M+ farmers supported

through enterprise, government, and ecosystem deployments.

Up to 20% yield improvement

and reduction in input costs, driven by early stress detection and targeted interventions.

Problem

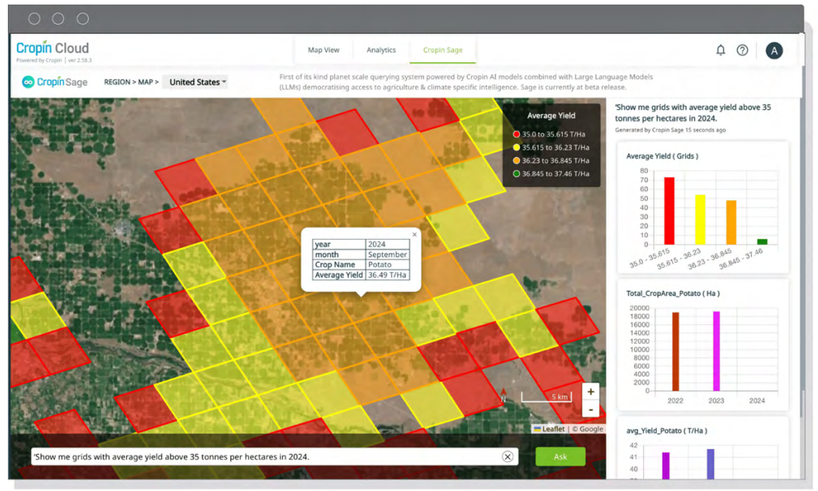
Agribusinesses managing large, distributed farm networks often detect issues only after outcomes are already affected missed yield targets, inconsistent quality, or disrupted supply commitments. Without early, field-level visibility, signals such as crop stress, weather shocks, or pest outbreaks reach enterprise teams too late, turning manageable agronomic risks into large-scale operational and commercial losses.

At the ground level, farmers themselves lack real-time, predictive insight into crop health, weather impact, soil conditions, and emerging risks. Decisions based on fragmented and delayed information force reactive action, leading to inefficient input use, unstable incomes, and rising crop losses as climate volatility increases.

Solution

Cropin is a **cloud-based agri-intelligence platform** designed for enterprises and institutions rather than direct consumer use. It combines satellite imagery, geospatial analytics, machine learning, and agronomic models to convert raw farm and climate data into **predictive, decision-ready insights.**

Through platforms such as **SmartRisk, SmartFarm, Cropin Grow, and Cropin Intelligence**, stakeholders gain field-level visibility into crop health, soil moisture, weather impact, pest and disease risk, irrigation needs, and yield forecasts. The platform supports enterprise-grade security, auditability, and sustainability reporting, positioning intelligence as **decision support rather than automation**. By shifting agriculture from reactive monitoring to predictive planning, Cropin enables earlier interventions, optimised resource use, and greater climate resilience across farming systems.



AI-Powered Intelligent Agriculture | Image source: Cropin

Using predictive agri-intelligence to reduce risk and improve outcomes

Founders Profile

Founded in 2010 by Krishna Kumar, CropIn emerged from his belief that the lack of data-driven systems was constraining agriculture. Drawing on his technology experience at General Electric, he set out to apply scalable digital tools to improve farm-level decision-making and transparency across agricultural value chains.

Growth Stage

Raised a total funding of $54M

Scale

- Serves **250+ enterprises across 50+ countries**, including agribusinesses, governments, food companies, insurers, and development institutions.
- Supports multiple crops, geographies, and climate zones through a single integrated intelligence layer. Underpins large-scale digital agriculture programs, supply-chain monitoring, and climate-risk frameworks in India and other emerging markets.

For further details, reach out to connect@kalpaimpact.com

DeHaat

Integrated AI-enabled agri-intelligence and market access platform for smallholder farmers

AgriTech

Impact

1.4M+ farmers supported across 12 states

improving decision-making on crops, inputs, and market timing through personalised advisories.

Daily aggregation volumes scaled to ~6,000 MT

in the past 18 months (viz. Nov 2024), reflecting stronger farm output and improved market access

Produce exported to 32 countries

expanding income opportunities to local and regional markets.

Problem

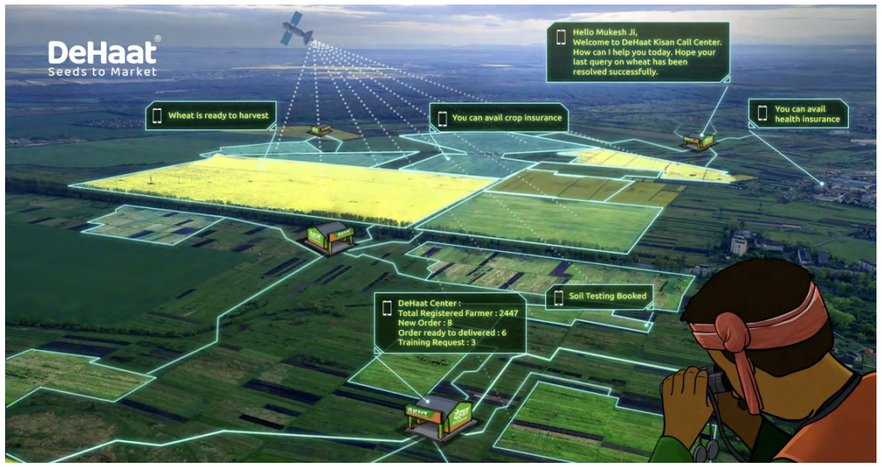
Ram Nath, a smallholder farmer in Bihar, had farmed for over a decade but struggled to earn consistent profits. Each season, decisions on crops, irrigation, and inputs were guided by neighbours or traders rather than **reliable information**. Rising costs and **unpredictable outcomes** pushed him close to abandoning farming altogether.

This uncertainty is common across India's small and mid-sized farms. Critical decisions are still made with **limited scientific guidance, fragmented market access, and poor visibility into weather, soil, and demand signals.** Climate volatility, pest pressure, and price fluctuations amplify risk, leaving farmers exposed to losses and unable to plan confidently for their livelihoods.

Solution

DeHaat's system uses **AI agronomy models, satellite monitoring, soil analytics, and hyperlocal weather forecasting** to provide personalised recommendations through the DeHaat Farmer App. These insights simplify complex environmental and crop conditions into clear advisories for sowing, irrigation, and pest management, tailored to local realities.

The platform reinforces intelligence with on-ground execution. Farmers **receive guidance that aligns with verified input availability, AI-assisted quality grading, and direct connections to institutional buyers.** Combining digital intelligence with last-mile presence; DeHaat enables farmers to adopt proactive, predictable, and more profitable practices signalling a shift from uncertain, intuition-based choices.



Dehaat's Agri Intelligence | Image source: Dehaat

Turning on-ground farming into data-led decision-making

Founders Profile

DeHaat was founded in **2012 by Shashank Kumar, Adarsh Srivastava, Abhishek Dokania, Amrendra Singh, and Shyam Sundar Singh**, a team with backgrounds spanning **agri-advisory, consulting, marketing, finance, and rural enterprise building**. The founders brought prior experience from initiatives such as **Farms and Farmers, Agri Gow, FSG, and Reliance**, combining grassroots exposure with operational and business expertise.

Growth Stage

Raised a total funding of $212M

Scale

- Operates across **12 major agricultural states**, including Bihar, Uttar Pradesh, Jharkhand, Odisha, and West Bengal.
- Supported by **11,000+ physical centres** and **500+ Farmer Producer Organisations** (FPOs) for last-mile delivery.
- DeHaat acquired AgriCentral, FarmGuide, VezaMart, and a Fresh Fruits export business, integrating every aspect of farming — from crop planning and input supply to logistics and trade.

For further details, reach out to connect@kalpaimpact.com

Ecozen

AI-enabled renewable infrastructure for resilient smallholder agriculture

Climate Tech

Impact

82,000+ farmers directly impacted

through access to solar-powered irrigation and cold storage infrastructure.

19,000+ metric tonnes of perishable produce saved,

lowering post-harvest losses and improving farmer incomes.

945 million kWh of clean energy generated,

supporting climate-resilient farming and low-carbon rural infrastructure.

Problem

Smallholder farmers and agribusinesses face growing risk from climate volatility, post-harvest losses, and unreliable energy access. Irrigation systems often depend on grid power or diesel, leading to high operating costs, inconsistent supply, and emissions. At the same time, the absence of cold storage at the farm gate results in significant spoilage, particularly for perishable, high-value crops. **In India, 89.4% of agricultural households own less than two hectares of land**, limiting their ability to invest in reliable irrigation infrastructure, energy systems, or on-farm storage.

As a result, farmers are often forced to sell immediately after harvest at low prices or absorb spoilage losses. Fragmented landholdings make shared infrastructure difficult, and without affordable, data-driven systems, climate risk directly translates into income volatility and inefficient use of water and energy.

Solution

Ecozen builds AI-embedded, climate-resilient systems that integrate renewable energy, IoT sensors, and predictive analytics to optimise irrigation and cold storage. Ecotron solar pump controllers use sensor and environmental data to dynamically adjust irrigation, reducing water and energy waste. **Ecofrost solar-powered cold rooms** integrate IoT sensors and **EcozenAI**, an in-house platform for predictive diagnostics, performance monitoring, and remote management.

AI models analyse real-time system and environmental data to enable **predictive maintenance, load optimisation, and automated control**, improving reliability even in low-sun conditions. This shifts farm infrastructure from static hardware to **intelligent, self-optimising systems**, helping farmers reduce input costs, preserve produce for better market prices, and operate more sustainably under climate uncertainty.

Ecotron schematic images | Image source: Ecozen

AI-enabled systems for efficient irrigation, post-harvest preservation

Founders Profile

Ecozen Solutions is based in Pune, founded in 2010 by Devendra Gupta, Prateek Singhal, Vivek Pandey and Sumeet Gattewar. The founding team brings experience across renewable energy systems, agricultural infrastructure, manufacturing, and technology-led operations. This combined background supports Ecozen's focus on building and scaling climate-resilient irrigation and cold-chain infrastructure for smallholder agriculture.

Growth Stage

Raised a total funding of $76.4M

Scale

- **Manufactured over 300,000 solar pump controllers,** reflecting large-scale adoption of Ecozen's irrigation technologies.
- **Active deployments across India and international markets,** including Africa and Southeast Asia, extending impact beyond domestic agriculture.

For further details, reach out to connect@kalpaimpact.com

Eka Care

Patient health record digitisation using AI

HealthTech

Impact

More than 50 million users of the Eka Care platform,
and partnered with
11 government hospitals
in Karnataka and Delhi.

Over 3 crore health records
and more than **16 lakh ABHA accounts created.**

More than 5000 doctors
using its advanced EMR solutions.

Supports transcription in more than 15 Indian languages

Problem

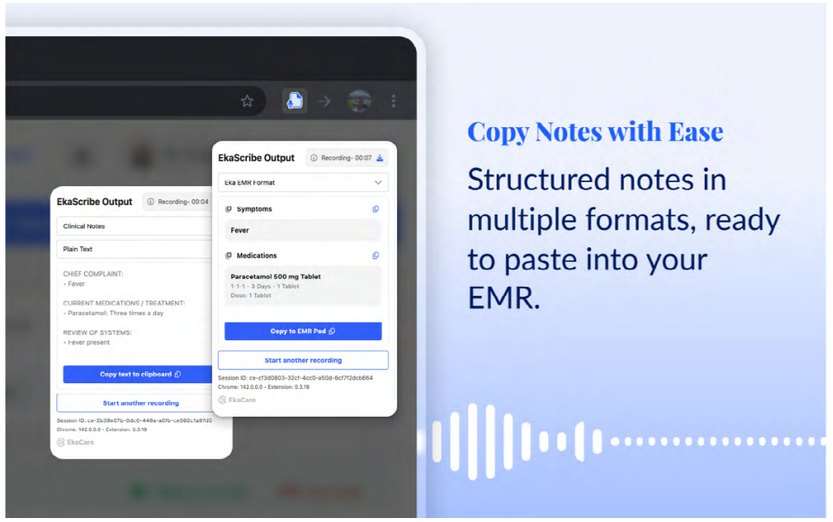
A young mother in Indore visited a pediatric clinic carrying a folder of prescriptions, discharge notes, and lab reports. Some were faded, torn, or hard to match to the right visit. Each time she met a new doctor, she had to repeat her child's medical history from memory, hoping nothing was missed. When her child developed a recurring infection, the **clinician struggled to piece together past treatments,** leading to repeat tests, added costs, and unnecessary anxiety.

In India, patient data is scattered across hospitals, labs, and clinics, often stored as paper files or PDFs. Many small and mid sized practices rely on manual record keeping, making doctor visits slow and error prone. For families, the lack of standardization means **health histories rarely move with them, causing missed information, inconsistent follow ups, and avoidable repeat diagnostics.**

Solution

Eka Care addresses India's fragmented clinical workflows and electronic medical records with **EkaScribe, an AI-powered medical scribe technology** built for the country's multilingual, high noise OPD environment. EkaScribe listens to real doctor patient conversations, interprets mixed language speech and local medical terminology, and converts them into structured medical notes, SOAP formats, prescriptions with brand names and dosages, follow up instructions, and standardized medical codes.

This capability is powered by **Parrotlet**, Eka Care's proprietary LLM trained entirely on Indian medical data. Unlike generic global models, Parrotlet understands Indian clinical language, brand specific medicines, and patient described symptoms, and works reliably even in crowded OPDs. Hospitals have extended EkaScribe beyond OPDs to inpatient wards and operation theatres, where accurate real time documentation is equally critical.



EkScribe, AI medical scribe technology | Image source: Chrome Web Store

AI-powered healthcare solutions to digitise patient medical histories

Founders Profile

Founded in 2020 by Vikalp Sahni and Deepak Tuli, former co founders of Goibibo, the company is led by founders with deep experience in building and scaling large consumer technology platforms. Vikalp Sahni also played a key role in developing Aarogya Setu during the COVID 19 pandemic.

Growth Stage

Raised a total funding of $19.5M

Scale

- **India's largest repository of medical records and vitals.**
- Aligned with government initiatives like the **Ayushman Bharat Digital Mission (ABDM) and Ayushman Bharat Health Account (ABHA).**

For further details, reach out to connect@kalpaimpact.com

Emergent Labs

Agentic AI based platform that lets anyone build full-stack apps, websites and custom agents from natural language

AI Infrastructure

Impact

Supports the creation of 10,000+ custom AI agents,

built by users to power real workflows across research, analytics, automation, and content generation.

Used by 5M+ users worldwide

to build and launch functional AI applications in minutes, lowering the barrier from experimentation to real deployment.

Enables developers to move from

days or weeks of custom agent wiring to minutes,

by abstracting tool execution, memory, and orchestration into a single framework, significantly reducing engineering effort for AI agent.

Problem

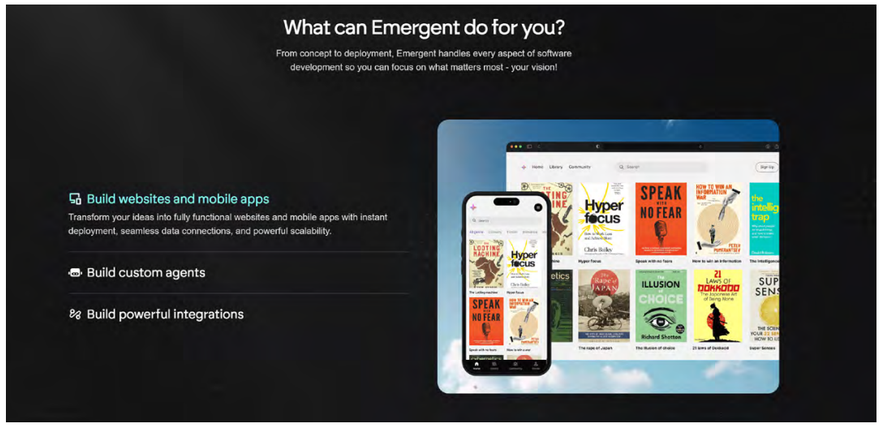
Riya, a **product manager at a growing startup**, had ideas to automate research, analytics, and reporting using AI, but every attempt required long handoffs to engineering teams. What should have been quick experiments turned into weeks of backlog, and most ideas never moved beyond prototypes. For individuals and small teams, **building usable AI applications remained slow, expensive, and dependent on scarce technical expertise.**

At a broader level, while AI models have advanced rapidly, **turning them into reliable, production-ready applications** still demands infrastructure setup, orchestration, and deployment skills. Existing tools are fragmented or developer-heavy, keeping AI confined to demos rather than real workflows. This gap slows innovation and **limits who can practically build and launch AI systems at scale.**

Solution

Emergent Labs has built an AI-driven coding platform that uses natural language prompts and **autonomous AI agents** to build complete software systems. Users describe the desired functionality in simple chat or prompts, and the platform's agents plan, write, test, debug, and deploy full-stack applications without requiring manual coding. This includes handling infrastructure, authentication, database logic, frontend design, payments, scaling and versioning.

By automating the full development lifecycle through **sophisticated AI orchestration often referred to as "vibe coding"** Emergent lets anyone turn an idea into a deployed application quickly, efficiently and with minimal technical expertise. This accelerates innovation and dramatically shortens the time between concept and launch.



Emergent natural language to agentic ai based website creation | Image Source : Emergent.sh

Agentic AI based "Vibe coding" platform that automates app, website and custom agent creation

Founders Profile

Emergent Labs was founded in 2024–2025 by twin brothers Mukund Jha and Madhav Jha, bringing together startup execution and deep AI research. Mukund brings experience from building and scaling products at Dunzo and Google, while Madhav brings frontier AI systems expertise from Amazon AI, where he helped build SageMaker, backed by a PhD in theoretical computer science. Together, they built Emergent to remove engineering complexity by enabling full-stack apps to be created through natural language using AI agents.

Growth Stage

Raised a total funding of $100M

Scale

- Operates as a **global AI application platform**, with active users and builders spread across **multiple regions including North America, Europe, and Asia, and over 180 countries** supporting worldwide deployment from a single interface.
- Hosts a **large and growing ecosystem of user-built agents and apps with around 6M+** apps shipped, enabling thousands of parallel experiments and deployments across domains such as research, analytics, automation, and internal tooling.

For further details, reach out to connect@kalpaimpact.com

Fasal

AI and IoT powered precision farming technology

AgriTech

Impact

Deployed across 10,000+ acres of farm land
in multiple states including Chhattisgarh, Karnataka, Maharashtra, and Madhya Pradesh.

Up to 60% reduction in pesticide costs and 40% increase in crop yield.

Saved 52B+ litres of irrigation water and 1.27 lakh kgs of chemical usage.

Problem

Indian agriculture has changed rapidly due to **shifting climate patterns, evolving pests and diseases, and declining soil health.** However, most farmers still rely on traditional practices and past experience rather than current field conditions. Decisions that were once effective are now made without accurate information, even though ground realities have changed.

The biggest impact of this gap is seen in **irrigation and chemical use.** Farmers decide when and how much to irrigate based on intuition, despite irregular rainfall and increasing water stress. Similarly, fertilisers and pesticides are often applied as blanket treatments without understanding actual soil nutrient levels or pest pressure. This guesswork leads to overuse or incorrect use of water and chemicals, **raising input costs, reducing yields, harming soil health, and increasing vulnerability to climate shocks.** The core problem is the absence of timely, field specific insights needed to guide precise and sustainable decisions.

Solution

Fasal enables precision farming through an easy to use, plug and play on farm sensing and AI advisory system designed for Indian farmers. Its AI and IoT-based device, **Fasal Kranti**, uses more than **12 integrated sensors** to monitor a range of climatic and soil parameters, providing farmers with precise recommendations for disease and pest management, irrigation, and farm planning. The device **works on basic cellular networks, is solar powered, and requires no technical expertise**, making it suitable for diverse farm settings across India.

Ground level data collected through the device is **combined with satellite and radar inputs** and processed by central AI models. These models apply plant entomology to detect pest risks and **agri meteorology** to assess weather and climate impact on crops, converting complex data into clear recommendations. Insights are delivered to farmers through the **Fasal App, SMS, or WhatsApp in local languages,** using a simple colour coded system where red flags urgent action and green indicates normal conditions, allowing farmers to prioritise tasks quickly and make timely, data driven decisions.

Fasal Kranti Device | Image source: The Better India

Precision farming technology for localised recommendations on irrigation, pest, and disease management

Founders Profile

Founded in 2018 by Shailendra Tiwari and Ananda Prakash Verma. Both the founders leveraged their engineering backgrounds and extensive experience across IT software industry and product development to build precision farming solutions for Indian farmers.

Growth Stage

Raised a total funding of $19.4M

Scale

- Deployed on nearly **12% of India's grape cultivation and 8% of pomegranate cultivation land** among other crops, rapidly expanding to more horticulture belts in **Maharashtra, Rajasthan, and Himachal Pradesh.**
- Developed **AI models for 200+ crops** and received **3 patents** for innovations in soil sensing, atmospheric monitoring, and soil water potential measurement.
- Recognised with the **National Startup Award** by the Government of India.

For further details, reach out to connect@kalpaimpact.com

Fractal

Building India's Sovereign Large Reasoning Models

AI Infrastructure

Impact

Developing India's first Large Reasoning Model(LRM) series,

including small model (2-7B parameters), medium model (20-32B parameters) and a large state-of-the-art model (70B parameters) with up to 1 trillion training tokens

Developed the Vaidya AI system

to improve accessibility to healthcare information for non-English-speaking populations3 , and Fathom Deepresearch 4B for scalable, high-impact research tasks.

Problem

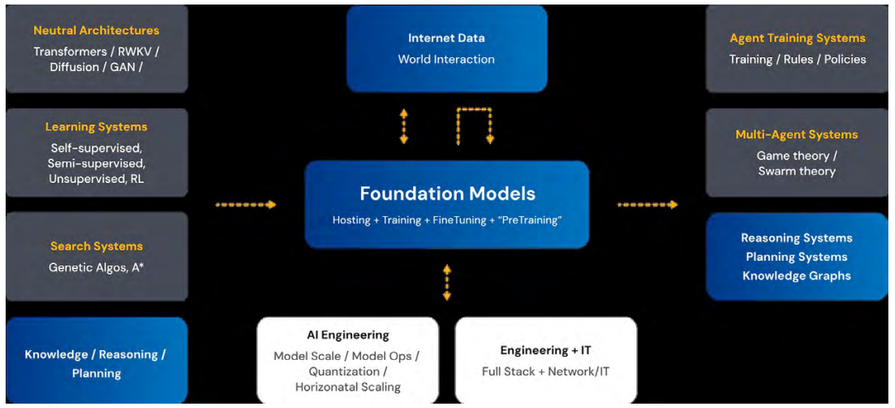
India faces complex decision-making challenges in healthcare, public policy, and scientific research, where accuracy, context, and trust are critical. Doctors, researchers, and government professionals must process large volumes of information and follow strict protocols under time pressure, often with limited expert capacity for a large and diverse population.

India currently **relies heavily on AI models developed outside the country**, which are not built around local data, languages, guidelines, or institutional realities. This creates gaps in relevance, explainability, and reliability, particularly in sensitive domains such as healthcare and public systems, and raises concerns about data sovereignty, long-term dependence, and alignment with national priorities.

Solution

Fractal is developing India's first Large Reasoning Model (LRM) to support high-stakes domains such as healthcare, science, and public systems. Its flagship system, Fathom DeepResearch 4B, is an agentic AI designed for long-horizon reasoning, autonomously exploring complex questions, validating information across sources, and generating explainable outputs while retaining control over data and IP.

In healthcare, Vaidya AI is a conversational medical assistant trained on 850,000+ curated medical images and text entries, combining Vision Language Models and Large Language Models to generate protocol-aligned guidance. Vaidya helps clinicians access diagnostic pathways and treatment insights quickly, supporting faster, informed decisions in resource-constrained settings and reinforcing Fractal's focus on India-governed, locally validated AI systems.



Fractal's Large Reasoning Model (LRM) architecture | Image source: Fractal

Building sovereign Large Reasoning Models for research, healthcare, and other high stakes decision systems

Founders Profile

Founded in 2000 by Srikanth Velamakanni with other co-founders. Srikanth leads the Fractal group of companies, which has incubated or acquired companies such as **Qure.ai, Asper.ai, and Analytics Vidhya.** He also brings strong governance and industry experience as an Independent Director at Metro Brands, BARC India, and NIIT Ltd., and as Non Executive Chairman at ideaForge.

Growth Stage

Raised a total funding of $685M

Scale

- Selected under the **IndiaAI mission for building India's first Large Reasoning Model (LRM)** series, at par with global LRMs.
- Plans to create **diverse dataset from leading examinations across India** such as JEE Advanced, NEET-PG, National Olympiads, CAT, GATE, etc to build world class reasoning model in STEM, coding, medical and agentic systems.

For further details, reach out to connect@kalpaimpact.com

Gnani AI

Voice first multilingual AI systems for Indian languages

AI Infrastructure

Impact

Works with 200+ customers,

including leaders in financial services, automotive and consumer businesses.

Supported 100B+ multilingual conversations

till date with their AI system.

Built proprietary dataset with

voice samples from ~780 districts across India,

including underserved regions like Northeast India and tribal regions.

Problem

In India, access to essential services is often constrained by language. Most digital platforms and customer support systems are built around English text and voice interfaces, while many users prefer local languages. For first-time internet users, senior citizens, and semi-urban and rural populations, navigating apps, websites, or IVR menus can be confusing and exclusionary.

Customer support teams in banking, insurance, healthcare, telecom, and government services face high call volumes and high costs of scaling human agents. Traditional chatbots and IVR systems struggle with **Indian accents, code-mixed speech, background noise, and emotional cues**, leading to unresolved issues and repeated calls. With dozens of major languages and hundreds of dialects, many users are forced to rely on intermediaries or avoid digital services altogether.

Solution

Gnani AI builds voice-first, multilingual AI systems designed for how people in India naturally speak and switch languages. Its core stack combines **automatic speech recognition, natural language understanding, and text-to-speech models** trained on Indian accents, dialects, and code-mixed speech, and built to perform reliably in noisy environments such as call centres and mobile networks.

A key differentiator is **emotion-aware voice intelligence**, which analyses tone, pace, stress, and urgency to infer emotional state and adjust responses, escalate sensitive cases, or adopt empathetic interactions in domains such as banking, healthcare, and grievance redressal. Gnani also offers **no-code and low-code agentic AI platforms** for end-to-end voice and chat agents across support, onboarding, collections, and service workflows, and is developing **sovereign, India-focused AI infrastructure and multilingual language models aligned with the IndiaAI mission.**

Gnani AI speech-recognition | Image source: Gnani AI

Building multilingual speech recognition systems and agentic AI solutions for Indian language conversations

Founders Profile

Founded in 2016 by Ganesh Gopalan and Ananth Nagaraj. Ganesh brings decades of experience in technology, including roles at IBM and Texas Instruments. Ananth also brings huge prior experience in technology, and is also a serial tech entrepreneur, which has helped them build pioneering Agentic AI solutions and support the IndiaAI mission.

Growth Stage

Raised a total funding of $7.72M

Scale

- Supported under the **IndiaAI mission** for building **India's first voice-focused LLM with 14B parameters** covering 40+ languages, including **15+ Indian languages.**
- Launched **200 new use cases** for their AI systems, with plans to rapidly expand beyond customer support into **underwriting, claims reconciliation, internal operations, and healthcare.**

For further details, reach out to connect@kalpaimpact.com

HealthPlix

Electronic medical record (EMR) platform with AI-assisted workflows reducing clinical workload and improving patient care

HealthTech

Impact

Prescription time reduced from ~10 minutes to 30–120 seconds,
freeing clinicians to focus on diagnosis and patient interaction.

185,000+ potential drug–drug interactions flagged
across 1.9M visits, helping modify or remove nearly 72,000 harmful prescriptions.

Improved patient comprehension and adherence
through structured, multilingual digital prescriptions across diverse regions.

Problem

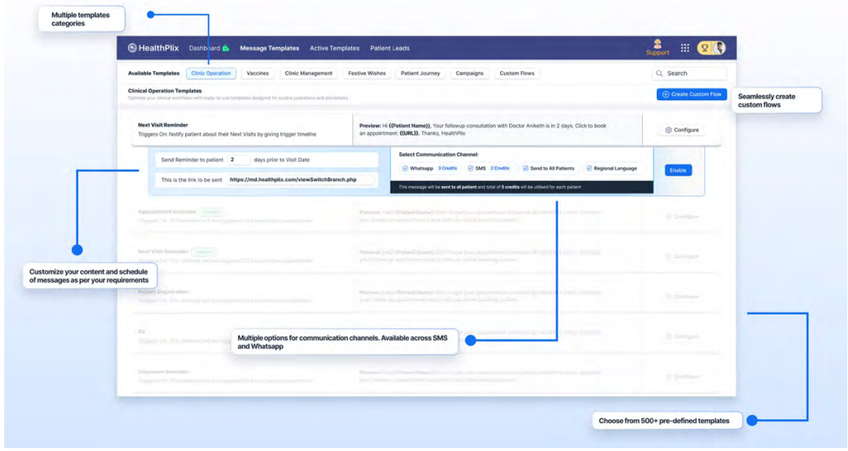
Dr. Mehta sees dozens of patients each morning, writing prescriptions rapidly while recalling histories from memory. In the rush, she worries less about speed and more about safety, knowing a missed interaction or documentation error could harm a patient.

High outpatient volumes and limited consultation time increase patient safety risks across clinics. Fragmented patient histories, manual prescriptions, and memory-dependent decision-making make drug interactions, dosage errors, and follow-up gaps easier to miss. Existing EMRs are **poorly aligned with fast OPD workflows**, adding documentation burden instead of clinical safeguards. The result is elevated risk to patient safety and reduced care quality, especially in resource-constrained settings.

Solution

HealthPlix provides a **doctor-first, AI-powered EMR** designed for high-volume outpatient care. The system learns each doctor's common observations, diagnoses, and prescriptions, surfacing relevant options instantly and reducing routine decision time. AI supports the full clinical workflow, including **real-time alerts for risky drug combinations**, structured note templates, and prescription generation in **14+ Indian languages**. Prescriptions and care instructions are delivered digitally to patients, improving continuity and follow-up.

A key capability is **H.A.L.O**, HealthPlix's AI listening assistant. Using speech recognition and medical language understanding, H.A.L.O converts doctor–patient conversations into draft clinical notes and prescriptions for doctor review and confirmation, **reducing documentation fatigue while preserving full clinical authority**. The platform is **HIPAA certified and aligned with ABDM (Ayushman Bharat Digital Mission)** standards, ensuring secure, interoperable digital health records. AI recommendations are bounded, with final decisions always resting with the doctor.



Platform features with customisation | Image source: HealthPlix

Using AI to streamline outpatient clinical workflows

Founders Profile

HealthPlix was founded by **Sandeep Gudibanda**, an entrepreneur with deep experience in building and scaling healthcare and enterprise technology platforms, including his own venture NephroPlus. His background spans clinical operations and large-scale software systems, shaping HealthPlix's focus on robust, doctor-first digital infrastructure for outpatient care.

Growth Stage

Raised a total funding of $43M

Scale

- Used by doctors across **370+ cities and 16+ specialties**, generating millions of prescriptions each month.
- Strong adoption in tier-II and tier-III clinics enabled by low-bandwidth performance and multilingual workflows.
- Plans to expand from **10,000 to 50,000 doctors** and enter **US and UAE markets,** alongside selective acquisitions to strengthen clinical decision support.

For further details, reach out to connect@kalpaimpact.com

iMocha

Skills intelligence platform enabling practical, project-based evaluation for fair hiring

HR Tech

Impact

10,000+ skill assessments

through its platform, enabling structured, job-relevant evaluation beyond résumés and pedigree-based screening.

Organisations using iMocha have reported

up to 60% faster hiring cycles and ~20% reduction in hiring costs

driven by skills-first assessments that replace repeated interviews and manual screening.

Problem

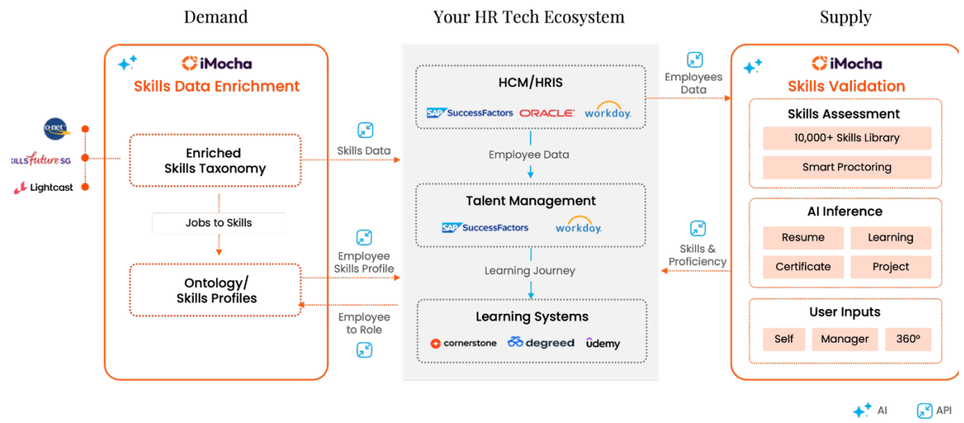
Ankit, a final-year engineering graduate, clears aptitude tests but is rejected repeatedly because his résumé fails to signal how well he can actually code or solve real business problems.

Modern hiring relies on résumés, pedigree, and generic interviews that reveal little about real-world job performance. Recruiters face **application overload with weak skill signals,** while capable candidates struggle to demonstrate hands-on ability. This leads to **long hiring cycles, mis-hires, and missed talent,** especially in technical and digital roles where practical skills matter most.

Solution

iMocha provides an **enterprise-grade skills intelligence layer** that helps organisations evaluate talent based on what candidates can actually do. The platform builds a **comprehensive skills blueprint** for each role by mapping thousands of technical, functional, and cognitive skills through an AI-generated competency graph aligned to job requirements.

Candidates are evaluated through **hands-on, project-based assessments** rather than MCQs. These include writing production-grade code, analysing datasets, debugging cloud architectures, building mini applications, or solving scenario-based business problems. Submissions are evaluated for depth, efficiency, and job readiness, creating a transparent signal for hiring teams. With integrations across ATS and learning systems, iMocha supports end-to-end hiring, internal mobility, and targeted upskilling through a single skills layer.



iMocha Platform integration across systems | Image source: iMocha

Using skills intelligence to make hiring practical and fair

Founders Profile

iMocha was **founded in 2012 by Amit D Mishra and Sujit Karpe** after identifying how hiring systems over-relied on résumés instead of real skills. Amit's experience building enterprise technology at IBM and Sujit's as technology advisor at Saviant Consulting shaped the vision to create a scalable, skills-first assessment platform for fairer and more accurate hiring.

Growth Stage

Raised a total funding of $14.9M

Scale

- Used by **500+ enterprises across 70+ countries**, including global banks, consulting firms, IT services companies, and Fortune 500 organisations.
- Strong adoption for **project-based and experiential assessments**, especially for engineering, analytics, and digital roles. Embedded into hiring and learning workflows to enable continuous skill evaluation and workforce development.

For further details, reach out to connect@kalpaimpact.com

Intello Labs

Visual inspection technology for supply chains that standardises produce quality and pricing decisions

AgriTech

Impact

More predictable pricing for farmers,

with computer-vision-based grading achieving **95%+ accuracy** in identifying defects and quality parameters, reducing subjective downgrading at procurement points.

Faster acceptance and payment cycles,

as automated inspection cuts manual quality checking time by up to 70%, enabling quicker procurement and pricing decisions.

Lower rejection and wastage,

with improved quality visibility helping reduce spoilage and rejections by **15–25%,** particularly in modern retail and export supply chains.

Problem

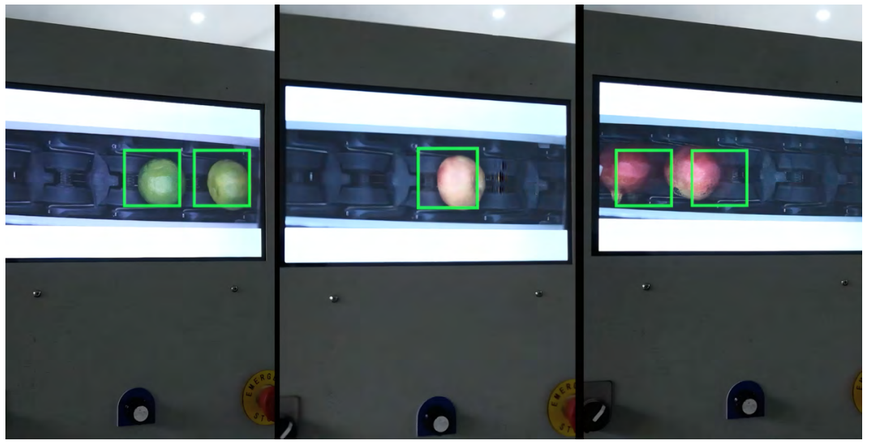
Sanjay, a small apple farmer selling at a wholesale market outside Delhi, sees his produce graded within seconds based on buyer judgement. When crates are downgraded or rejected, he receives no clear explanation and has little ability to contest the decision or secure a fair price.

Across India's agricultural supply chains, quality inspection of fruits and vegetables remains largely manual, subjective and inconsistent. **There are no shared standards across buyers or markets**, creating information asymmetry between farmers and procurement agents. These inefficiencies contribute to high rejection rates and post-harvest **losses of 20–30%**, weakening farmer incomes, increasing wastage for buyers and leading to inconsistent quality for consumers.

Solution

Intello Labs develops **visual inspection tools that help farmers, small suppliers, traders and buyers assess fruit and vegetable quality objectively** at the point where pricing and acceptance decisions are made. The system analyses visible attributes such as size, colour, ripeness and surface defects, replacing subjective judgement with standardised quality classifications that all parties can reference.

Deep learning models process images captured through cameras or smartphone-based applications deployed at aggregation centres, packhouses and procurement points. By **digitising quality assessment,** the platform reduces disputes, improves transparency in negotiations and enables faster, more consistent procurement decisions, while keeping final pricing and acceptance decisions with human buyers.



Intello Labs Fruits Sorter | Image Source : Intello Labs

Using AI to bring consistency to fresh produce markets

Founders Profile

Intello Labs was founded in 2016 by Milan Sharma, Nishant Mishra, Himani Shah bringing together prior experience from Snapdeal, Tesco, Amazon, Yahoo, and Deutsche Bank across data science, e-commerce analytics, deep learning, image processing, and enterprise strategy to build objective, technology-led quality assessment for fresh produce.

Growth Stage

Raised a total funding of $16.6M

Scale

- Deployed across **India, the Middle East and Southeast Asia**, serving farmer producer organisations, exporters, agribusinesses and large retailers.
- Supports inspection across **multiple crops**, including apples, tomatoes, onions, potatoes and citrus.
- Designed for **camera-based and mobile deployments**, enabling adoption across procurement centres and packhouses without heavy infrastructure.

For further details, reach out to connect@kalpaimpact.com

Makers Hive

AI-enabled fully functional bionic hand

HealthTech

Impact

Successfully completed 85 fitments

in India, with over 500 requests from across India, Sri Lanka and Bangladesh.

Costs 85-90% lesser than

the globally available advanced bionic hands.

Completed pilots with the

Ministry of Defence, Ministry of Home Affairs, Ministry of Railways, BARC, and ISRO

Problem

People living with **upper limb disabilities** often struggle to perform everyday tasks independently, such as eating, dressing, holding tools, or carrying objects, due to the lack of functional hand movement. Low cost prosthetic options provide very limited grip or control, forcing continued dependence on others, while advanced bionic hands that offer more natural movement are imported and priced far beyond what most families can afford. As a result, individuals with arm amputations are left choosing **between minimal functionality and unaffordable technology,** keeping many capable people excluded from employment and daily life not because of lack of ability, but because accessible and functional prosthetic solutions are missing.

Solution

KalArm, developed by Makers Hive, is **an affordable and lightweight AI enabled bionic arm** for people with **below elbow amputations**, designed to restore real world functionality without the high cost of imported prosthetics. It uses **EMG based control combined with AI driven software** to translate muscle signals from the residual limb into natural finger movements. EMG sensors capture electrical signals from flexor and extensor muscles, which are interpreted by AI algorithms and converted into precise motor commands that drive multiple grip patterns in the hand. It can gently hold an egg without breaking it or firmly lift a heavy bag, all without the user needing to look at or consciously control the pressure.

KalArm offers **18 predefined grip positions,** adaptive grasping, and the ability to lift **up to 8 kilograms,** allowing users to handle both delicate and heavy objects without consciously controlling grip pressure. The hand is 3D printed for customised fitting, supported by a mobile app for monitoring, firmware updates, and fine tuning over time. Beyond the device, users undergo **structured training** focused on daily activities such as dressing, cooking, and using tools, helping them regain independence and confidence in everyday life.

KalArm - Working demonstration | Image source : Makers Hive

Affordable AI-enabled fully functional bionic hand

Founders Profile

Founded in 2018 by Pranav Vempati and Suren Marumamula, who combined R&D, sales strategy, and manufacturing backgrounds to democratize assistive technology for the disabled individuals through affordable bionic prosthetics.

Growth Stage

Raised a total funding of $9M

Scale

- Discussions with State and Central governments to include KalArm in **national welfare schemes** for persons with disabilities.
- Plans to expand its work beyond India to regions such as **Africa, Ukraine, and parts of Asia like Sri Lanka and Bangladesh,** with global safety approvals.

For further details, reach out to connect@kalpaimpact.com

Netradyne

Fleet safety & driver intelligence platform improving road safety using AI

Urban Mobility

Impact

25+ billion miles of driving data analysed,
enabling high accuracy in identifying unsafe behaviour and guiding real-time corrections.

Significant reductions in collisions, risky driving behaviours,
and insurance-related costs, backed by improvements of up to 90% in safe-driving scores and 40–60% drops in high-risk events across fleets.

Vision-based object detection analyses every minute of drive time with up to **99% accuracy** enabling real-time, continuous driver risk detection.

Problem

Ramesh, a long-haul truck driver, drives late nights under tight delivery timelines. Fatigue sets in, traffic patterns change, and a moment of distraction can quickly turn into a near-miss.

Commercial drivers operate in high-risk conditions shaped by long hours, fatigue, dense traffic, and mixed road users. Fleet managers **have limited real-time visibility into driver behaviour** and road risks, making it difficult to intervene early. As a result, **unsafe patterns go unnoticed** until accidents occur, driving up injuries, insurance costs, and operational risk across fleets.

Solution

Netradyne's **Driver•i** is an AI and vision-based fleet safety system that monitors **100 percent of driving time** with a multi-camera setup and edge AI, identifying unsafe behaviours—such as distraction, fatigue, unsafe distances, and lane deviation. Real-time **audio alerts** help drivers self-correct instantly.

Supervisors access AI-assisted dashboards to review events, benchmark performance, and deliver targeted coaching without scanning hours of footage manually. Driver•i's **Safety Manager Assistant**, a generative-AI copilot, supports multilingual natural-language queries on fleet performance and risk trends. The **GreenZone®** scoring system gamifies safety by rewarding positive behaviour with DriverStars, motivating continuous improvement.

By combining computer vision, edge AI, and behavioural analytics, Driver•i elevates road safety while ensuring the driver retains full control.

Fleet Camera System | Image source: Netradyne

Using AI to enhance real-time driving safety

Founders Profile

Netradyne was founded in 2015 by **Avneesh Agrawal and David Julian**, both Stanford PhD holders with prior experience at Qualcomm. Their backgrounds in computer vision, edge AI, and large-scale applied research underpin Netradyne's focus on building reliable, real-time driver safety and fleet intelligence systems.

Growth Stage

Raised a total funding of $308M

Scale

- Driver•i is one of the world's most widely deployed fleet safety platforms, adopted across **North America, Europe, India, and Southeast Asia.**
- Powers logistics, employee transport, and last-mile delivery fleets in **160+ cities in India** and globally. Expanded partnerships, including Eminent Transit for corporate transport fleet safety in India.

For further details, reach out to connect@kalpaimpact.com

Niqo Robotics

AI-enabled precision spraying for cost-efficient and sustainable farming

AgriTech

Impact

Up to 60% reduction in pesticide usage

through plant-level spot spraying in crops such as cotton and chilli.

Lower chemical residue and improved soil health,

achieved by avoiding blanket spraying and soil contact.

Higher farm profitability during input-intensive seasons,

driven by reduced spend on pesticides and fertilisers.

Problem

Srinivas, a cotton farmer, sprays his entire field every season even though weeds appear only in patches. Most of the chemicals miss the plants that need them, **raising costs and harming soil and nearby water sources.**

For most farmers, pesticide and fertiliser application remains indiscriminate. Tractor-mounted sprayers blanket entire fields, including **bare soil and healthy crop areas, causing chemical wastage, higher input costs, soil degradation, water contamination, and residue risks on produce**. Existing precision agriculture tools are built for large-acre farms and are too expensive for smallholders cultivating 4–8 acres. What farmers lack are affordable, accurate precision tools that integrate with existing tractors and fit the realities of Indian farming systems.

Solution

Niqo Robotics delivers **AI-powered spot-spraying systems** that enable plant-level precision without new farm machinery. Its core technology is Niqo Sense, an IP67-rated AI camera with an integrated GPU and deep learning accelerator, built for rugged field conditions. The system operates through a See–Select–Spray pipeline:

- **See:** High-resolution cameras capture real-time field imagery.
- **Select:** Deep learning models trained on 3.4M+ field images classify crop versus weed with up to 99.4% accuracy.
- **Spray:** Precision nozzles apply exact chemical doses directly to plant foliage, avoiding soil contact.

This technology powers **Niqo RoboSpray**, which mounts on existing tractors, enabling smallholders to adopt precision spraying without additional capital investment. Niqo has also developed **RoboThinner, an AI-driven mechanical thinning and weeding system** for horticulture crops, extending its plant-level precision approach to global markets.

Niqo RoboSpray™ | |mage source: Niqo Robotics

Using AI and computer vision for plant-level precision

Founders Profile

Niqo Robotics was founded in **2019 by Jaisimha Rao**, whose experience on his family farm revealed the inefficiency of blanket spraying and inspired the use of data and computer vision for precision farming.

Growth Stage

Raised a total funding of $22.2M

Scale

- **90,000+ acres covered and 1,800+ farmers supported** through a growing village-level entrepreneur (VLE) network.
- Commercial deployments across India, with expansion into **international horticulture markets** including California and Arizona.

For further details, reach out to connect@kalpaimpact.com

NIRAMAI Health Analytix

AI powered breast cancer screening

HealthTech

Impact

Used for screening 300,000+ women across 22+ countries

Reduces screening cost to just 10–20 percent

of traditional mammography based screening.

Backed by 39 international patents & 55+ clinically reviewed publications

Problem

Across many villages, towns and smaller cities in India, women often delay breast cancer screening despite noticing early changes. This is because diagnostic centres are far away, tests are expensive, and the process is painful and uncomfortable. Social discomfort and household responsibilities further discourage women from seeking timely checks, leading to late detection.

Breast cancer remains **one of the leading causes of cancer related deaths** among women. Traditional screening methods like mammography require specialised infrastructure and trained radiologists, limiting access in rural and semi urban areas. The procedure involves firm physical compression of breasts, which many women find painful, reducing willingness to participate. Hence fear, cost, and discomfort continue to act as major barriers to early diagnosis.

Solution

NIRAMAI Health Analytix uses AI to make early breast cancer screening simple, affordable, and comfortable through **Thermalytix**, an AI based medical device that analyses thermal images to detect cancer at an early stage. The system is **radiation-free, non-invasive, and painless** as it uses only images without any contact required with the device. The complete screening takes **only 10 to 15 minutes**, making it suitable for routine and large scale use across different settings. Early detection at this stage greatly improves treatment outcomes and survival chances.

Thermalytix captures thermal images of the breast and applies **patented AI algorithms** to analyse subtle temperature variations across **over 400,000 points on the image**, generating a quantitative breast health score and reducing human subjectivity. The AI models are trained on large datasets matched with mammography, ultrasound, and histopathology results, and continue to improve as more data is added. **Portable enough to fit in a backpack**, Thermalytix enables screening in hospitals, clinics, mobile camps, and remote areas, helping detect small tumors early and improve treatment outcomes.

Thermalytix device | Image source : Niramai Health Analytix

AI powered device for affordable non-invasive breast cancer screening

Founders Profile

Founded in 2016 by Dr. Geetha Manjunath and Nidhi Mathur, with deep expertise in IT Innovation and AI research, and multiple international and national recognition for her innovations and entrepreneurial work.

Growth Stage

Raised a total funding of $8.63M

Scale

- Plans to **expand to 35–40 countries across Europe, Middle East, Southeast Asia and Africa.**
- Collaboration with **Molbio Diagnostics** to accelerate adoption of Thermalytix across multiple nations.
- Plans to expand technology to diagnose other diseases and body parts, **including whole-body screening and fever detection.**

For further details, reach out to connect@kalpaimpact.com

Perfios

Underwriting platform with AI-led automation enabling faster, audit-ready credit decisions

Fintech

Impact

Up to 85% reduction in loan approval timelines,

enabling MSMEs to receive working capital in days instead of weeks.

5M+ financial documents analysed every month

improving cash-flow visibility for thin-file and first-time borrowers.

Fewer rejections caused by document errors

as AI standardises data and flags inconsistencies early in the underwriting process.

Problem

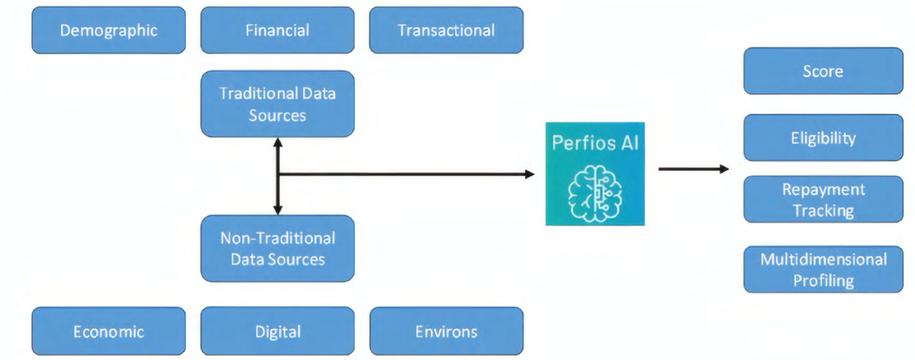
Rakesh, a small business owner, applies for a working capital loan but waits weeks as lenders repeatedly ask for documents he has already shared. His financial records exist, but in unstructured formats that slow every step of review.

Credit underwriting relies heavily on manual processing of unstructured documents such as **scanned PDFs, bank statements, tax filings, invoices, and receipts.** Analysts must extract, verify, and reconcile data across formats, leading to repeated follow-ups, long turnaround times, and opaque decisions. **MSMEs and first-time borrowers** with limited formal credit histories are disproportionately impacted, while lenders face higher costs, error risk, and compliance pressure. As loan volumes grow, underwriting becomes a critical bottleneck that delays or denies timely access to formal credit.

Solution

Perfios provides an **end-to-end AI-driven underwriting platform that converts mixed, unstructured borrower documents into a clean, analysable financial profile within minutes.** The system automatically extracts, organises, and interprets data from PDFs, scans, images, bank records, and tax documents. AI models reconstruct cash flows, assess repayment capacity, and identify anomalies that would typically take analysts hours to uncover. For complex cases, **CAM AI** performs multi-document cross-analysis, applies lender-specific credit policies, highlights risks and strengths, and generates audit-ready assessment memos for credit officer review and approval.

A built-in fraud-detection layer flags tampered documents or suspicious entries early, while final credit decisions remain fully with human underwriters. Perfios integrates with existing LOS and LMS systems via secure APIs, **supports 4,000+ document formats from 1,000+ institutions, and operates with ISO 27001-certified** security aligned to RBI digital lending guidelines.



Perfios' real-time credit underwriting solutions | Image source: Tech Crunch

Using AI to automate and standardise underwriting

Founders Profile

Perfios was founded in 2008 by **Debashish Chakraborty and V.R. Govindarajan**, former Aztec Software leaders with prior experience at **IBM and Wipro**. Their background in complex data processing and enterprise platforms shaped Perfios' focus on automating financial analysis and underwriting workflows at scale.

Growth Stage

Raised a total funding of $435M

Scale

- Deployed across **50+ banks, NBFCs, and fintech lenders** in India, Southeast Asia, and the Middle East.
- Expanded underwriting capabilities through acquisitions in healthcare (IHX), fraud risk and collections (Clari5, CreditNirvana).
- Strategic partnership with **SatSure** to strengthen agri-lending and cash-flow intelligence.

For further details, reach out to connect@kalpaimpact.com

Qure.ai

AI diagnostic system that analyses X-rays and CT scans to detect clinical abnormalities

Healthtech

Impact

40+ million lives impacted globally

through AI-assisted diagnostic screening and clinical decision support.

Up to 58 percent reduction in radiology workload

allowing specialists to focus on complex and critical cases.

Early detection of lung abnormalities

TB-related changes, brain haemorrhages, fractures, and consolidations through AI analysis of X-rays and CT scans.

60,000+ screenings completed across 17 Indian states

under AI-enabled public health programmes, extending diagnostic access to rural and hard-to-reach populations.

Problem

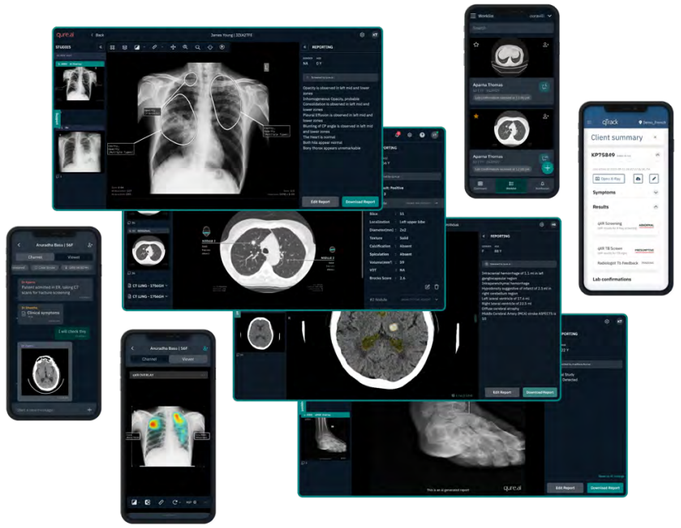
For Joby, a 39-year-old truck driver from Kerala, a persistent cough seemed harmless. With no smoking history or family risk of cancer, there was little cause for concern. During a routine health check, however, his chest X-ray, which was analysed using AI from Qure.ai, **flagged a small abnormality,** something that could easily have been missed in a manual review. Follow-up scans confirmed early-stage lung cancer—giving him a critical chance at timely treatment.

Joby's story reflects a wider challenge across healthcare systems: **overstretched radiology services, limited specialist availability, and human fatigue** often delay or miss early signs of serious disease.

Solution

Qure.ai integrates into routine imaging workflows to provide **AI-powered analysis of X-rays and CT scans**. When scans are uploaded, deep-learning computer vision models analyse pixel-level patterns to detect abnormalities such as **lung nodules, TB-related changes, brain haemorrhages, fractures, and consolidations**.

The system generates **confidence scores and visual heatmaps**, guiding clinicians to high-risk regions in each scan. Results are returned within minutes, helping doctors prioritise urgent cases while retaining full clinical decision authority.



Qure.ai platform interface | Image source: Qure.ai

AI-assisted review and prioritisation of medical imaging

Founders Profile

Qure.ai was founded in **2016 by Prashant Warier and Pooja Rao**. Prashant Warier is an AI expert and leader focused on building large-scale machine learning systems for healthcare applications, while Pooja Rao brings experience in deep learning and clinical relevance for medical image interpretation, shaping the company's mission to deliver accurate, accessible AI-powered diagnostics globally.

Growth Stage

Raised a total funding of $123M

Scale

- Qure.ai has grown into a widely deployed healthcare AI platform, with solutions active in **105+ countries** across more than **4,700 hospitals and diagnostic sites**.
- Qure.ai's solutions have strengthened diagnostic capacity across hospital networks and public health programmes in **India, Africa, Southeast Asia, and Latin America**.

For further details, reach out to connect@kalpaimpact.com

Recykal

Automating waste recycling through AI enabled sorting and digitisation

Waste Management

Impact

50,000 metric tonnes of waste diverted from landfills every month

Accurate detection of different plastic wastes,

leading to higher value recovery for recyclers.

Almost 13,000 households reached

through QR coded bag systems and Smart Skan screening.

Up to six times increase

in financial value of recyclable materials for recyclers due to cleaner, purer dry waste without contamination.

Problem

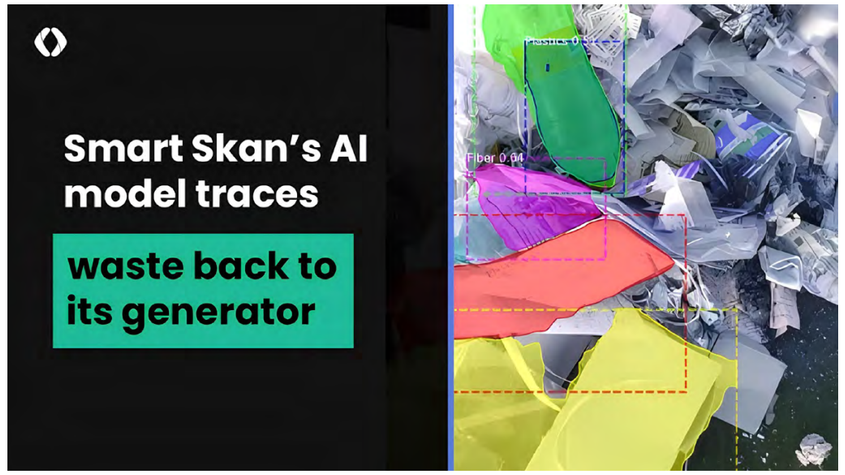
At a waste collection centre in Pune, Rekha sorts mixed waste like plastic, paper, bottles, and metal by hand. Many items look similar, labels are unclear, and packaging keeps changing. She relies on experience, but a single mistake can contaminate an entire batch and cut her daily earnings.

India generates nearly **62 million tonnes of waste each year, yet recycles less than 30 percent 1 of its recyclable material**. This is because waste is poorly segregated at the source and along the collection chain. Contamination from food residue, mixed materials, and incorrect disposal lowers material quality, causing recyclable waste to be downgraded or sent to landfills. As a result, recyclers receive unreliable input, producers fail to meet recycling obligations, and India continues to lose material value that could otherwise circulate back into the economy.

Solution

Recykal uses AI to **assess dirt levels, moisture, and material composition of waste in real time**, ensuring it reaches the right recycler and reducing contamination. In partnership with **Google, its AI classification systems** use cameras in Material Recovery Facilities to sort mixed recyclables like plastic, paper, metal, and e waste, while computer vision automates document checks to reduce fraud and improve traceability. AI driven price prediction models forecast weekly recycling market price trends.

At the household and city level, **Smart Skan** precisely identifies different materials from household waste and increases sorting purity significantly, giving municipalities actionable data to improve segregation behavior. **Reverse Vending Machines (RVMs)** further support this by verifying recyclable quality in public spaces and rewarding users digitally, helping divert more waste towards the recycling economy.



Smart Skan analysing household waste | Image source: Recykal

Waste sorting technology automating the recycling ecosystem

Founders Profile

Founded in 2016 by Abhay Deshpande, Abhishek Deshpande, Anirudha Jalan, Ekta Narain, and Vikram Prabakar with diverse expertise in SaaS, operations, and technology that shaped a shared drive to digitize India's unorganized waste sector

Growth Stage

Raised a total funding of $40.9M

Scale

- Operates across more than **30 Indian states and union territories**.
- AI enabled household waste segregation programme reached **nearly 13,000 households** in cities like **Latur and Bengaluru**.
- National network of **more than 325 recyclers and co-processors, over 10000 businesses, 600 plus urban local bodies and 3000 plus service providers and aggregators**.

For further details, reach out to connect@kalpaimpact.com

Sarvam AI

Building foundation AI models for India's languages and cultural context

AI Infrastructure

Impact

3x–4x lower inference cost for Indian languages,

achieved through a token fertility rate of 1.4–2.1 tokens per word, nearly matching English and far more efficient than global models that require 4–8 tokens per word.

4x–6x faster inference at comparable accuracy,

with Sarvam-1 (2B parameters) outperforming larger open models like Llama-3 8B on Indic language benchmarks, enabling real-time applications at scale.

Enables affordable, real-time AI for India,

supporting hyperlocal applications across multiple Indian languages and dialects, and making large-scale citizen services viable beyond English-first systems.

Problem

Most AI systems used in India are trained primarily on English and a narrow set of global languages, leaving Indian languages, dialects, accents, and mixed-language usage poorly represented. This gap manifests in everyday failures: **voice systems struggle with accents, chatbots fail on vernacular queries, and public digital services** remain inaccessible to large segments of the population.

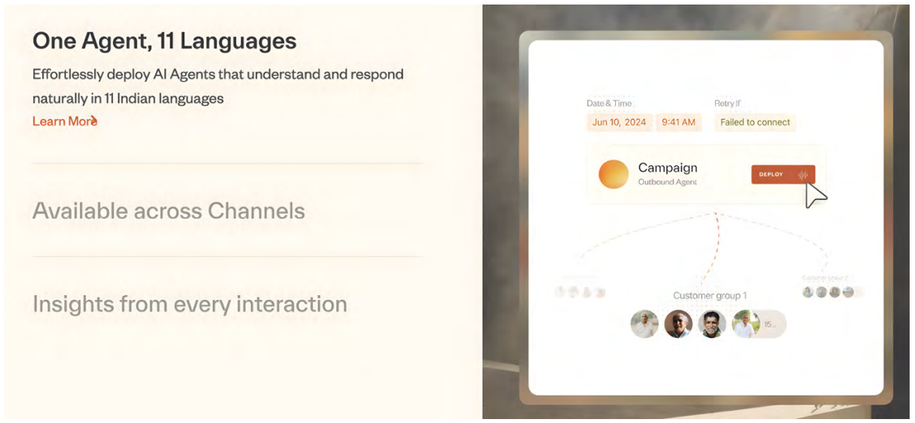
For governments, enterprises, and developers, this creates a structural limitation. AI models built for Western contexts do not translate cleanly to India's **linguistic diversity, cultural nuance, or real-world usage patterns.** Without foundational models designed specifically for Indian data and deployment realities, AI risks reinforcing exclusion rather than expanding access.

Solution

Sarvam AI is building **foundational language and speech models designed from the ground up for India**. Instead of adapting global models, Sarvam trains large language and speech systems on Indian-language text, code-mixed data, and local speech patterns, enabling reliable understanding and generation across **11+ Indian languages and diverse accents.**

Sarvam's systems span core AI infrastructure including **multilingual language models, speech-to-text, text-to-speech, and conversational reasoning**, designed for integration rather than consumer use. Governments, enterprises, and developers can embed these models into public service portals, voice interfaces, and digital assistants.

The models are built for low-resource environments, responsible deployment, and assistive use, with final control and governance retained by the deploying institution.



Sarvam AI Agents | Image source: Sarvam AI

Using foundation AI to enable inclusive, India-first systems

Founders Profile

Sarvam AI was **co-founded in 2023 by Vivek Raghavan and Pratyush Kumar**, bringing together rare experience in building India-scale public digital systems and cutting-edge AI research. Vivek played a foundational role in Aadhaar as Chief Biometric Architect and later worked across EkStep and DPI ecosystems, while Pratyush combines deep research credentials from IIT Madras, ETH Zurich, IBM, Microsoft, and AI4Bharat, positioning the team to build India-ready, large-scale language and voice AI.

Growth Stage

Raised a total funding of $58.8M

Scale

- Sarvam AI is deployed at national DPI scale, supporting government use cases such as **multilingual voice agents for Aadhaar-linked services and policy access with institutions like NITI Aayog and the Ministry of Skill Development.**
- Used across enterprise and professional workflows through partnerships with **Microsoft Azure, companies like Urban Company** for multilingual customer support, and legal-sector agents for document automation.

For further details, reach out to connect@kalpaimpact.com

Satsure

Satellite imagery and AI-based technology for agriculture

AgriTech

Impact

2.1M+ farmer plots

analyzed and **85M hectares**

of agricultural area processed across

1.95 lakh villages.

Enabled crop insurance claim settlement for 60,000+ farm leads across India

Assisted Kerala state government in evacuation of

12,000+ people

during Kerala floods 2018.

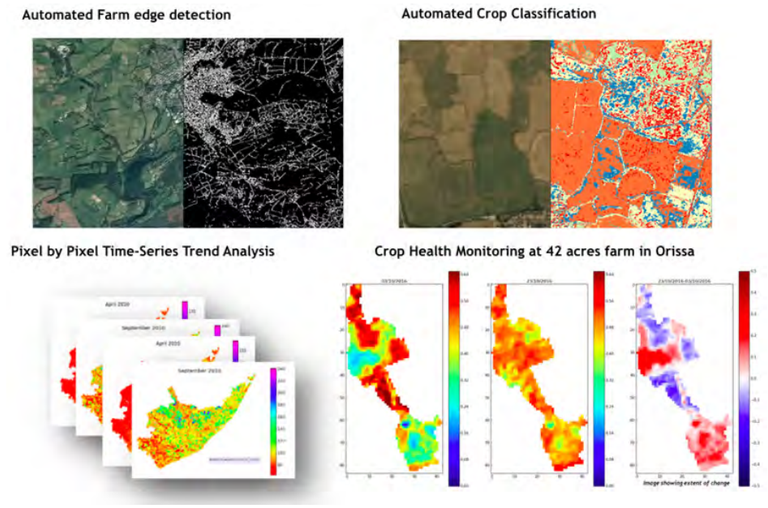
Problem

Agriculture remains the backbone of India's economy and the **largest source of livelihood in India.** Yet climate change is making farming increasingly uncertain and risky, while farmers, lenders, and governments lack timely and reliable information to respond. Understanding on ground conditions still depends largely on **manual field surveys and reports that are slow, expensive, and limited in coverage.** By the time crop stress, droughts, floods, or pest damage are identified, losses have often already occurred, leaving farmers unable to take early action, lenders exposed to higher defaults, and governments struggling to plan effective relief and food security measures. This gap is clearly seen in the use of **crop cutting experiments to estimate agricultural production**, which is labour intensive, time consuming, and difficult to scale across large regions. As a result, production estimates arrive late and are often outdated by the time decisions are made. These delays affect farmer incomes, insurance payouts, credit planning, and national agricultural policy, weakening the resilience of the entire agricultural system.

Solution

SatSure applies **satellite imagery, machine learning, and cloud-based analytics** to deliver large-scale agricultural intelligence without manual field surveys. **Proprietary ML models** analyse crop phenology to classify crops, estimate sowing dates, track acreage, monitor crop health, and predict yields, while **satellite-driven clustering and smart sampling** improve accuracy and reduce operational effort.

Insights are delivered through specialised platforms. **SatSure Sparta** provides crop monitoring, yield estimation, and post-disaster damage assessment for governments, agribusinesses, and insurers. **SatSure Sage** delivers farm-level intelligence for lenders, enabling data-driven underwriting, portfolio monitoring, and early risk detection, while climate analytics track **rainfall, groundwater, temperature, and evapotranspiration** for resilient agricultural planning.



Satellite imagery-based AgriTech solutions | Image source: YourStory

Satellite imagery and AI technology for real-time farm and crop intelligence

Founders Profile

Founded in 2017 by Prateep Basu and Rashmit Singh Sukhmani, SatSure is led by founders with extensive experience in building and scaling data driven geospatial decision platforms. Both founders with engineering backgrounds served as scientists at ISRO, bringing strong domain expertise in space-based data and analytics.

Growth Stage

Raised a total funding of $27.7M

Scale

- Collaboration with **Solvent Extractors' Association of India (SEA)** to optimize rapeseed-mustard production in Rajasthan.
- Global partnerships with **Geoscape Australia, KALRO Kenya** and member of **SSAGA (South–South Agriculture Alliance)** for expansion in Global South.

For further details, reach out to connect@kalpaimpact.com

SigTuple

AI-powered digital pathology for accurate and accessible diagnostics

Healthtech

Impact

AI100 increases pathologist capacity ~5x

helping labs review ~500 slides/day compared to ~100 slides manually, unlocking higher throughput and efficiency.

Mean error rate below 3%

for AI-assisted slide analysis compared to manual review error rates that can reach 60–70% in some cases, significantly improving consistency across labs.

Problem

In a district hospital in Uttar Pradesh, 9-year-old Ramesh waits days for a blood smear review because no pathologist is available on site. Early warning signs are missed, and treatment is delayed.

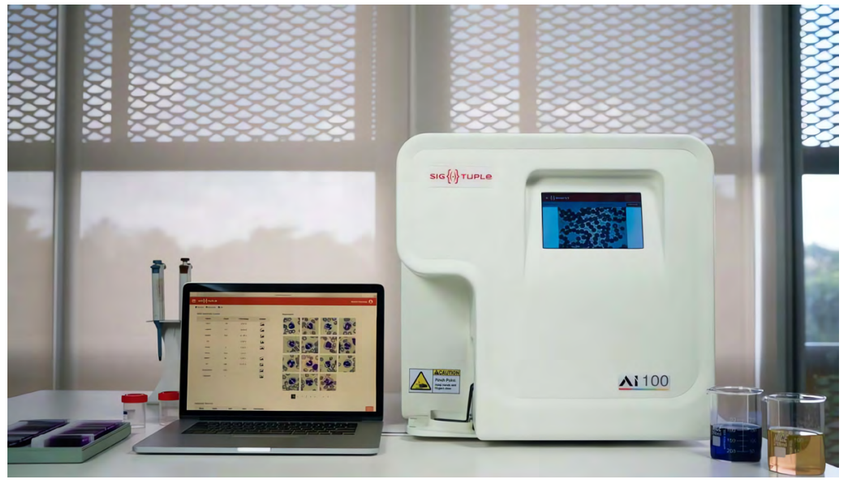
Blood diagnostics in district and tier-2 laboratories depend heavily on manual microscopy and limited specialist availability. Rural and non-metro regions, which serve over **70% of India's population, face a chronic shortage of trained pathologists**. As testing volumes increase, manual slide examination becomes slow, subjective, and fatigue-prone, resulting in delayed diagnoses, inconsistent report quality, and preventable disease escalation despite the presence of basic lab infrastructure.

Solution

SigTuple builds AI-enabled digital pathology systems that **automate manual microscopy and enable remote expert review**. Its AI100 system integrates robotics, high-resolution imaging, and deep learning models to digitise and analyse blood samples prepared on standard glass slides.

The **Shonit hardware module** digitises blood smears using robotic slide handling, including imperfect real-world samples from smaller labs. These images are analysed by the **Manthana AI platform**, which classifies **over 30 blood cell types** using clinically trained deep learning models.

AI100 generates **decision-grade outputs** that can be remotely reviewed and approved by expert pathologists, enabling tele-pathology workflows. This improves **speed, consistency, and diagnostic confidence** without requiring on-site specialist expansion.



SigTuple's AI100 | Image source: SigTuple LinkedIn

Using AI to standardise pathology diagnostics

Founders Profile

SigTuple was founded in **2015 by Pranav Bhadani, Dr. Tathagato Rai Dastidar and Apurv Anand**. The founding team brings strengths across **clinical diagnostics, healthcare operations, and deep AI systems**, with Pranav Bhadani contributing hands-on experience from building **consumer diagnostics platform Medyog** and healthcare strategy roles at **Humain Health**, and Dr. Dastidar adding advanced expertise in **machine learning, large-scale data systems, and algorithmic research**.

Growth Stage

Raised a total funding of $54.7M

Scale

- Deployed across major diagnostic and hospital networks including **HCG Hospitals, Thyrocare Technologies, and Krsnaa Diagnostics**.
- International expansion into Southeast Asia, the Middle East, and North Africa, is powered through strategic partnerships.
- Received **US FDA 510(k) clearance** for peripheral blood smear analysis, supporting expansion into regulated international markets.

For further details, reach out to connect@kalpaimpact.com

Varaha

Nature-based carbon projects aligned with farmer livelihoods

Climate Tech

Impact

100,000+ farmers onboarded,

enabling smallholders to participate directly in global carbon markets.

400,000+ hectares covered

under nature-based climate interventions, including regenerative agriculture and ecosystem restoration.

2,000,000+ tonnes of CO_2e

sequestered, contributing to measurable, verifiable climate mitigation outcomes.

Problem

Smallholder farmers are central to land-based climate mitigation, yet they remain largely excluded from carbon markets. Fragmented landholdings, high verification costs, and complex methodologies make it difficult for farmers to access climate finance. At the same time, voluntary carbon markets face growing scrutiny over credibility, permanence, and transparency—particularly for nature-based solutions.

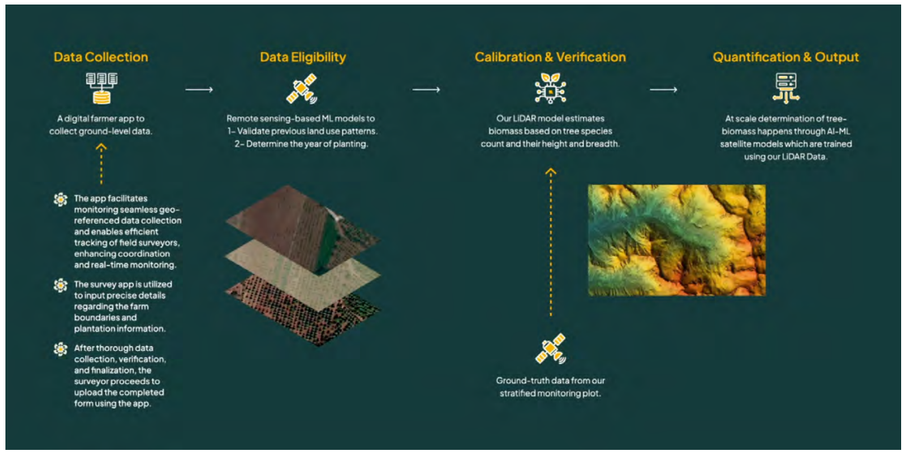
This creates a structural disconnect. Farmers adopt practices that **restore soil and ecosystems but see little financial reward,** while climate buyers struggle to source high-integrity credits they can trust. Without **robust measurement and inclusive delivery models**, nature-based climate action risks failing both mitigation and livelihood goals.

Solution

Varaha partners directly with farmers to implement regenerative and restoration practices that increase carbon sequestration over time. AI-enabled analytics process **satellite imagery, geospatial data, and climate models** to monitor vegetation cover, land-use change, and carbon outcomes at scale. This remote sensing layer allows continuous, low-cost monitoring across hundreds of thousands of hectares.

Crucially, satellite insights are complemented by **field-level data collected by local teams**, ensuring that models reflect real agronomic conditions rather than assumptions. Together, these inputs form a robust **measurement, reporting, and verification (MRV)** system that improves accuracy, reduces verification costs, and builds trust with global carbon credit buyers.

By embedding MRV into everyday farming practices, Varaha transforms carbon credits into a **repeatable income stream** for smallholders—aligning climate mitigation with sustainable rural livelihoods rather than treating them as separate objectives.



Tech behind afforestation | Image source: Varaha

Making nature-based carbon credible and inclusive

Founders Profile

Varaha was founded in **2022** by **Madhur Jain (ex-Precision Agriculture for Development), Ankita Garg (ex-Bayer Crop Science), and Vishal Kuchanur (ex-CropIn)**. Together, they unite critical expertise drawn from their prior work such as designing smallholder fertilizer protocols, launching sustainable input portfolios, and building remote sensing tools for farm-level monitoring. This synergy allows Varaha to create environmental solutions that are scientifically rigorous, economically viable, and seamlessly scalable.

Growth Stage

Raised a total funding of ~$43M

Scale

- Regenerative agriculture programmes in India's major farming belts, including the **Indo-Gangetic Plains and Gujarat**, engaging smallholder farmers in soil carbon enhancement at scale.
- Afforestation projects across **South India and Bangladesh**, extending Varaha's ecosystem restoration work beyond agriculture into long-term biomass and landscape-level carbon sequestration.

For further details, reach out to connect@kalpaimpact.com

Wysa

AI-powered mental health platform delivering clinically grounded self-care

Wellness Tech

Impact

High user engagement and impact reflected in **80% returning users** across multiple sessions, a **30% increase in positive emotion**, and a **92% helpfulness rating**, indicating sustained use and meaningful emotional support outcomes.

Proven impact in low-access settings
including public-interest scaled pilot reaching **20,000 adolescent girls across Maharashtra** through partnerships with the state government and community-based organizations

Problem

Arjun, a 20 year college student, feels persistently low and unfocused, but not "unwell enough" to justify therapy. He wants clarity on what he is feeling and what to do next, yet finds only **generic advice** or costly care that feels out of reach.

A large group of people experience early or moderate emotional distress that falls between wellness content and clinical intervention. Existing support options create a **gap where individuals must choose between delayed, expensive professional care or fragmented online material** with no structure or follow-through. Limited specialist **availability, language barriers, stigma, and cost further reduce access**, leaving many without private, immediate, and guided support to understand their emotional state and take preventive action before distress escalates.

Solution

Wysa provides an **anonymous AI-powered mental health companion** that guides users through evidence-based self-care for stress, anxiety, sleep issues, and emotional regulation. Through a conversational interface, users engage in **structured exercises rather than open-ended chat**, enabling clarity and actionable progress.

Wysa combines clinically informed conversation design with a hybrid AI approach using rule-based systems and language models. The platform delivers **CBT-inspired reflections, guided journaling, breathing exercises, mood check-ins, and mindfulness tools**, with optional escalation to human coaches when deeper support is needed.

Designed for accessibility, Wysa offers free core tools, affordable paid plans, and **India-specific adaptations**, including Hindi and Hinglish support and a WhatsApp-based chatbot, extending reach to young women and underserved users.

Wysa's AI-Guided Mental Health Platform | Image source: Express Health

Using AI to deliver structured, anonymous self-care

Founders Profile

Founded in **2015**, **Wysa** was started by **Jo Aggarwal and Ramakant Vempati**, combining personal experience of mental health challenges with backgrounds in social-impact initiatives such as Head Held High Services and Rural Edge, alongside experience building scalable technology platforms. This blend shaped Wysa into a clinically informed, globally scalable mental health solution.

Growth Stage

Raised a total funding of $30M

Scale

- Covers over **11 million lives** and has **helped over 5 million people in 95 countries** manage their own mental health.
- **WhatsApp-based conversational therapy agent**, enabling low-friction access to mental health support on a platform used by **487 million users in India**, especially for those who avoid standalone apps.

For further details, reach out to connect@kalpaimpact.com

Zipstack (Unstract)

No-code AI platform automating unstructured data extraction and business workflows

AI Infrastructure

Impact

Improves document processing speed by ~60% and cuts operational costs by ~30%

enabling faster, more efficient handling of high-volume.

Achieves up to 99% extraction accuracy

producing predictable, compliance-ready data that reduces manual review and decision errors.

Reduces token consumption by up to 7x

lowering LLM compute usage while maintaining high-quality extraction from unstructured documents.

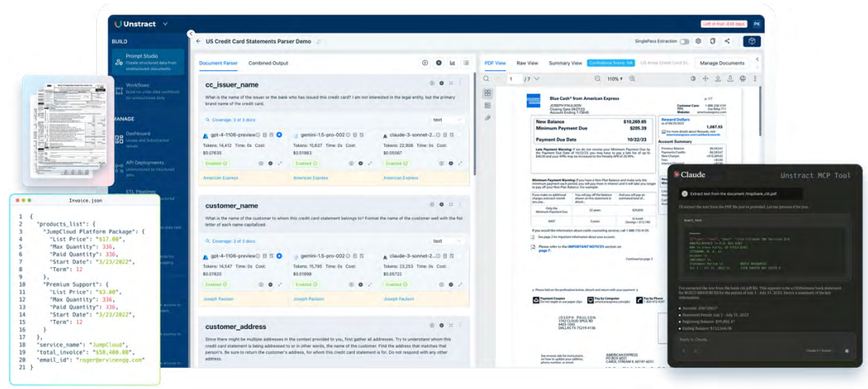
Problem

Ananya works in an enterprise operations team, reviewing contracts and customer documents every day. **Much of her time goes into manually extracting key information**, double-checking accuracy, and fixing errors when automation fails. Delays are common, and even small mistakes can create compliance issues or slow customer resolution.

Across enterprises, critical decisions still depend on **unstructured documents** that are difficult to process reliably at scale. **Manual extraction is slow and costly**, while **generic AI systems introduce unpredictability, high token usage**, and risk in regulated workflows. This gap makes it hard for organisations to automate document-heavy processes without sacrificing accuracy, speed, or trust.

Solution

Zipstack builds **Unstract**, a unified platform that uses **large language models (LLMs)** and workflow orchestration to convert raw, unstructured documents into **ready-to-use structured data** without heavy engineering effort. The platform combines a **prompt studio** for designing extraction logic, **layout-sensitive extraction engines (LLMWhisperer), and validation layers (LLMChallenge, human-in-loop)** to ensure high-quality results. Users can deploy workflows as APIs or ETL pipelines and connect to storage and analytics tools such as AWS S3, Google Cloud Storage, Snowflake and BigQuery to power downstream data applications.



Unstract (by Zipstack): LLM Powered ETL for Unstructured Data | Image Source: Unstract

No-code AI for unstructured document intelligence

Founders Profile

Zipstack was founded in 2022 by Shuveb Hussain, Arun Venkataswamy, Narendran Hariparanthaman, and Rao Cherukuri, bringing complementary strengths across cloud platforms, large-scale engineering, AI-led document automation, and enterprise security. Shuveb adds deep cloud and AI platform experience from BinaryKarma, K7, and Freshworks; Arun brings execution depth from scaling engineering teams at Freshworks and Smartron; Narendran contributes hands-on leadership in no-code, LLM-powered automation for unstructured data; and Rao brings two decades of Silicon Valley leadership in security, analytics, and cloud infrastructure with multiple patents guiding enterprise strategy.

Growth Stage

Raised a total funding of $5.24M

Scale

- Supports **50+ unstructured document types and formats** (contracts, invoices, claims, emails, regulatory filings), enabling deployment across finance, legal, compliance, and operations workflows.
- Built for **enterprise-scale deployment across cloud and on-prem environments**, with native integration into major LLM providers and data stacks, allowing organisations to run high-volume document pipelines without vendor lock-in.
- Deployed across **enterprise teams in BFSI, legal, healthcare, and compliance-heavy sectors,** with production use spanning North America, Europe, and India and supporting large, multi-geography document workflows.

For further details, reach out to connect@kalpaimpact.com

India's AI Impact Startups

Early Stage

AbleCredit

Underwriting platform improving MSME credit access through AI-led assessment

Fintech

Impact

Up to 20x faster credit decisions

for first-time and thin-file borrowers, reducing uncertainty during urgent working-capital needs.

12x higher underwriting throughput

for lenders, enabling more viable small businesses to move from pending to approved.

Fairer access to formal credit

for MSMEs with limited bureau history, reducing dependence on informal and high-cost lending.

Problem

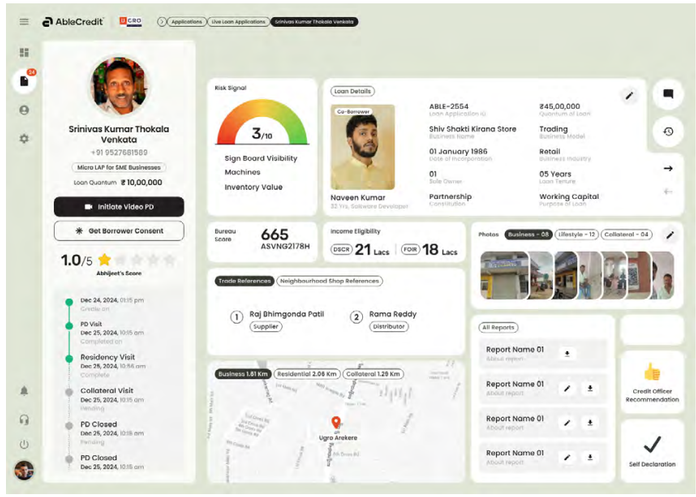
Shyam, a small shop owner, runs a steady cash business and pays suppliers on time, but his loan application stalls because he lacks a formal credit trail and complete paperwork. Despite genuine repayment capacity, timely working capital remains out of reach.

Millions of small businesses remain invisible to traditional lending due to thin credit files and unstructured documentation. **Manual underwriting, long turnaround times, and limited alternative signals delay credit access, pushing viable borrowers toward informal lenders and slowing local economic activity.**

Solution

AbleCredit provides a **data-led underwriting engine** that evaluates small businesses based on how they actually operate on the ground, not only on formal paperwork they may lack. The platform combines conventional financial data with **real-world operating signals** such as inventory indicators, transaction patterns, business photos, location context, and structured field inputs to build a more complete picture of business health and repayment capacity.

These inputs are converted into a **rule-aligned, explainable credit summary** that speeds up underwriting while keeping all decisions with human credit officers. Key risk and repayment factors are clearly surfaced, supporting transparent outcomes and lender-defined review or appeal processes. AbleCredit is **ISO 27001 certified,** uses encrypted data handling and strict access controls, is designed to be **RBI-audit-ready,** and participates in the RBI sandbox framework, positioning the platform for responsible use in regulated lending environments.



Ablecredit Dashboard | Image source: Ablecredit

Using alternative data to make underwriting fairer and faster

Founders Profile

Founded in 2023, by Utkarsh Apoorva, Harshad Saykhedkar, Ashwini Prabhu, and Anubhab Bandyopadhyay, united by a shared goal to close the credit gap for MSMEs and informal borrowers using AI-led underwriting. The founding team combines experience in building rural-first businesses (ReshaMandi, HandyTrain), deep AI systems (Slack, Astro), and enterprise-grade financial technology, shaping AbleCredit's focus on scalable, explainable, and inclusive credit decisioning.

Early Stage

Raised a total funding of $1.84M

Scale

- Embedded within lender workflows handling **thousands of thin-file borrower cases annually,** supporting faster and more consistent underwriting.
- Combines **80+ explainable risk signals** spanning financial, visual, location, behavioural, and field-level inputs to improve confidence in lending decisions.
- Enables lenders to increase approval capacity while reducing manual review cycles, particularly in semi-urban and rural markets where bureau data is sparse.

For further details, reach out to connect@kalpaimpact.com

Adalat AI

AI tool that acts as a real-time, searchable courtroom stenographer

Justice Tech

Impact

Deployed across

9 Indian states

including Kerala, Karnataka, Bihar, Punjab and Haryana, Andhra Pradesh, Delhi, and Odisha, supporting digitisation of lower and district courts.

Active in

4,000+ courtrooms,

replacing manual transcription and handwritten notes with real-time digital records.

Enables

30–50 percent reduction in case resolution timelines

in courts where real-time transcription and structured documentation are used.

Problem

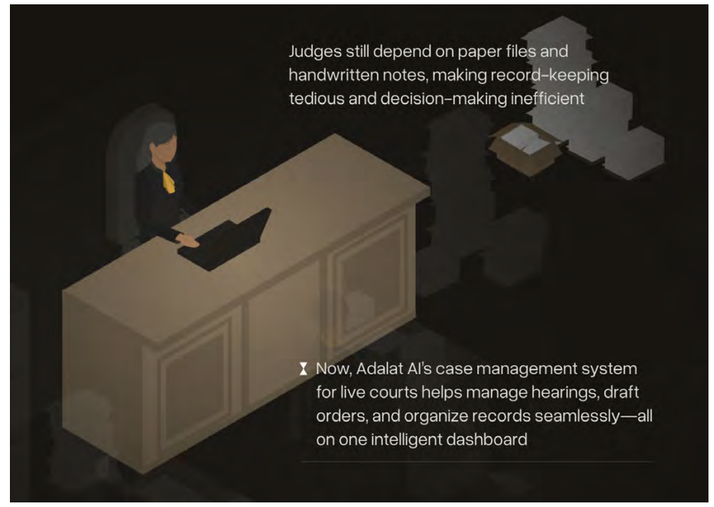
Every month, Ramesh, a small shop owner in a district town, travels over 40 kilometres to attend hearings for a long-pending property dispute. Each visit costs him a day's income and travel expenses, only to often learn that the matter has been adjourned. What should be a procedural step forward becomes another cycle of waiting and uncertainty.

Inside the courtroom, proceedings still depend on handwritten notes, delayed transcription, overstretched court staff, and manual documentation. Judges handle hundreds of matters daily, making accurate **real-time recording of oral arguments, witness testimony, and judicial observations difficult.** System-level analyses of India's judicial backlog consistently identify **manual processes and documentation delays** as structural contributors to prolonged litigation timelines. Incomplete or delayed records lead to repeat hearings, slower order writing, and cases that stretch on for years, increasing the burden on litigants and courts alike.

Solution

Adalat AI functions as a **real-time digital stenographer,** bringing live transcription into everyday court proceedings. Using **speech-to-text AI trained on Indian legal language, courtroom procedures, and regional accents,** the system converts oral arguments, witness testimony, and judicial observations into **accurate digital transcripts within seconds.** The system works **live and unobtrusively**, without interrupting hearings. Judges and court staff can **instantly search and retrieve past statements**, revisit testimony, and reference arguments across hearings. This removes reliance on handwritten notes or memory and ensures courtroom records are complete and immediately available.

Beyond transcription, Adalat AI organises proceedings into **structured case notes,** supporting **faster order drafting** and clearer judicial documentation. By replacing delayed, fragmented records with **verifiable, real-time transcripts,** the system reduces adjournments caused by missing documentation and helps cases progress with greater continuity, reducing repeated court visits for litigants.



From paper-based courts to AI-powered digital case management | Image source: Adalat AI

AI-powered real-time courtroom transcription and case documentation to improve judicial efficiency and continuity.

Founders Profile

Adalat AI, founded in **2023, was established by Utkarsh Saxena and Arghya Bhattacharya**, bringing together legal domain experience and applied AI engineering. Utkarsh has experience in legal practice, court system processes, and public policy, while Arghya's background is in applied machine learning and natural language processing, enabling the real-time transcription and structuring of courtroom speech.

Early Stage

Raised a total funding of $25K

Scale

- Adalat AI is embedded in **lower and district courts** across states including **Kerala, Karnataka, Bihar, Punjab and Haryana, Andhra Pradesh, Delhi, and Odisha**.
- The system operates in **urban and rural courtrooms**, supports **Indian languages**, and functions reliably despite **limited audio quality and infrastructure constraints.**
- With integration into **national digital justice initiatives**, Adalat AI is positioned as a **foundational digital layer** for courtroom documentation and judicial workflow modernisation across India.

For further details, reach out to connect@kalpaimpact.com

Aganitha

Drug discovery platform accelerating access to new medicines using generative AI

BioTech

Impact

Compressed years of scientific discovery into months,

with AI-driven analysis uncovering actionable insights that domain scientists had not surfaced despite long-term manual research.

Faster identification of viable drug candidates

for diseases such as tuberculosis and malaria, reducing delays in early-stage discovery.

Lower discovery costs,

making R&D more feasible for diseases affecting low- and middle-income populations.

Problem

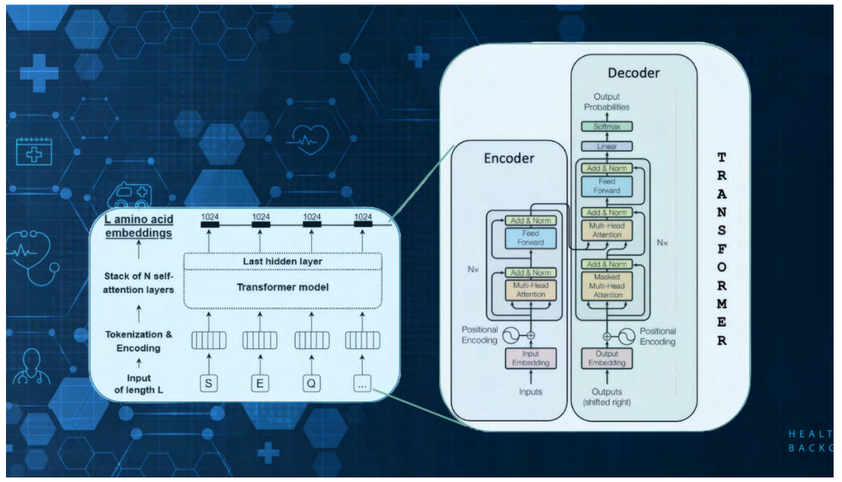
Bringing a new drug to market typically takes **10–15 years**, costs **USD 1–2.5 billion, and sees over 90% of candidates fail** before approval. This high cost and risk structure pushes pharmaceutical innovation toward commercially attractive indications, where returns can justify long development cycles.

As a result, diseases that primarily affect low- and middle-income populations receive limited sustained innovation, even when their public health burden is large. Drug pipelines for many infectious and neglected conditions progress slowly, rely heavily on public funding, and struggle to keep pace with emerging resistance. Patients remain dependent on older, harsher therapies, while health systems lack timely access to safer and more effective treatment options.

Solution

Aganitha builds **generative AI systems that assist scientists in discovering promising drug formulations earlier in the R&D cycle.** Its models simulate molecular interactions, disease pathways, and drug–target behaviour, allowing researchers to digitally screen and prioritise millions of compounds before entering costly laboratory experimentation. The platform supports research workflows in infectious diseases such as malaria and tuberculosis by narrowing experimental focus to the most viable candidates.

Aganitha develops domain-trained language and generative models with biopharma expertise, trained on scientific literature and proprietary research data. All outputs are reviewed by scientists, and downstream validation occurs through established laboratory and clinical processes governed by existing regulatory and ethical frameworks. Data handling follows partner-specific confidentiality and access controls, supporting responsible AI use in sensitive biomedical research.



AI & LLM with bio pharma expertise | Image source: Aganitha

Using generative AI to accelerate early-stage drug discovery

Founders Profile

Founded in 2017, Aganitha was co-founded by Vikram Duvvoori, Prasad Chodavarapu, and Ramarao Kanneganti, drawing on decades of experience building and scaling deep-tech businesses at HCL Technologies. With backgrounds spanning AI research, large-scale enterprise transformation, and a PhD-led foundation in computer science, the founders set out to apply advanced AI, cloud, and data analytics to accelerate biopharma R&D.

Early Stage

Funding Details
Not Available

Scale

- Collaborated with **pharmaceutical companies, biotech firms, and public research institutions**, including **CSIR–Centre for Cellular and Molecular Biology (CCMB), on generative AI for therapeutic and small-molecule design.**
- Supports global biopharma R&D teams in accelerating early-stage discovery where most failures and delays typically occur.

For further details, reach out to connect@kalpaimpact.com

Agripilot AI

AI/ML based mobile app providing agri-advice to smallholder farmers

AgriTech

Impact

Operates across 200+ farms spanning 232,000 acres of agricultural land

Sugarcane farmers have reported **incremental gains approaching Rs 1,00,000 per year.**

Rice farmers, even with smaller landholdings, have witnessed **benefits of around Rs 25,000.**

Problem

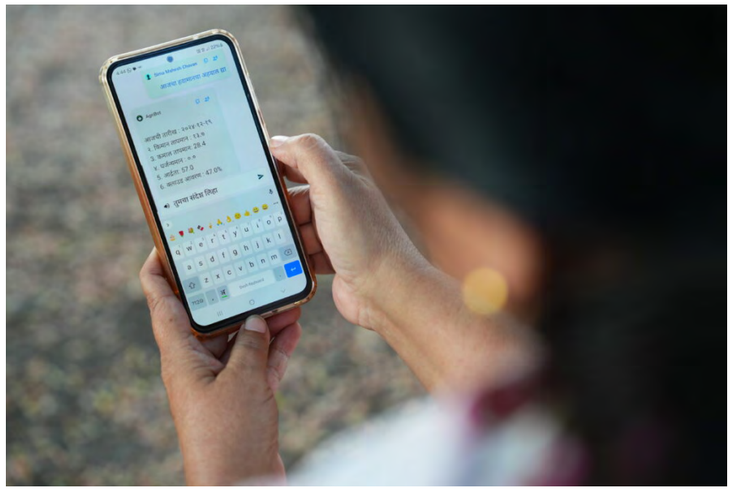
Across rural India, smallholder farmers frequently complete a cropping season without a clear understanding of the factors that affected yields. Variations in crop growth, short dry spells, and pest infestations are often detected only after significant damage has occurred. Decision making relies largely on personal experience and informal advice, with limited access to timely, field level information on soil conditions, weather changes, or early pest signals. As a result, routine decisions on irrigation, nutrient application, or disease control carry high risk, where even small delays or errors can negate months of cultivation effort.

Over 86 percent of Indian farmers operate on small and marginal plots that are highly sensitive to climate variation and input errors. India loses an estimated 15 to 25 percent of its annual crop output to pests and diseases, largely because problems are detected late and advisories are not localised or available when farmers need them most.

Solution

AgriPilot.ai is an AI-powered advisory system accessible through a vernacular mobile app and WhatsApp, designed for affordable, everyday use by farmers. Acting as an **always-on AI assistant,** it analyses soil conditions, crop stages, irrigation cycles, and stress indicators using **AI, IoT sensors, satellite imagery, and long-term environmental data.** Farmers receive **clear daily alerts** in English, Hindi, and Marathi on irrigation timing, fertilizer application based on satellite hotspots, pest scouting, and field-specific crop planning.

A **multi-layer AI engine** integrates hyperlocal weather data, ground sensors, satellite and drone imagery, historical land and climate data from **Microsoft's Planetary Computer**, and field inputs to diagnose crop health and anticipate risks. Modules such as **Soil Pilot, Food Pilot, and Livestock Pilot** support precision decisions across soil health, crop management, logistics, and livestock, all delivered through a **single unified interface.**



IoT and AI-Driven Farming Solution | Image source: Agripilot AI

AI/ML-based smart agriculture application for real-time farming advice

Founders Profile

Founded in 2020 by Prashant Mishra, with expertise in AI innovation, enterprise software, cloud computing, and open-source ecosystems. A serial entrepreneur and technology leader, Prashant brings extensive experience from senior roles at Microsoft, Wells Fargo, and Persistent Systems, combining large scale enterprise experience into building this AI driven solution for farmers.

Early Stage

Funding Details Not Available

Scale

- Operates in **20+ countries** spanning India, Africa, Southeast Asia, Latin America, and Europe
- **Partnered with Microsoft** for over five years to leverage their technology
- **MoU with the regional horticulture university** to revive the climate sensitive **Nagpur orange sector** through standardized field trials, nutrient benchmarking, and phenology tracking for improved yields.

For further details, reach out to connect@kalpaimpact.com

Aindra Systems

AI-powered cervical cancer detection technology

HealthTech

Impact

Screened over 1,000 patients,

from women in rural and underserved regions across Karnataka.

Costs 80% less

than traditional testing methods, making it highly affordable for large scale cancer screenings.

Recognised with national and global awards, including the

RICH Cancer Innovation Award, IGNITE at Cambridge University, Slush 2018 in Helsinki

Problem

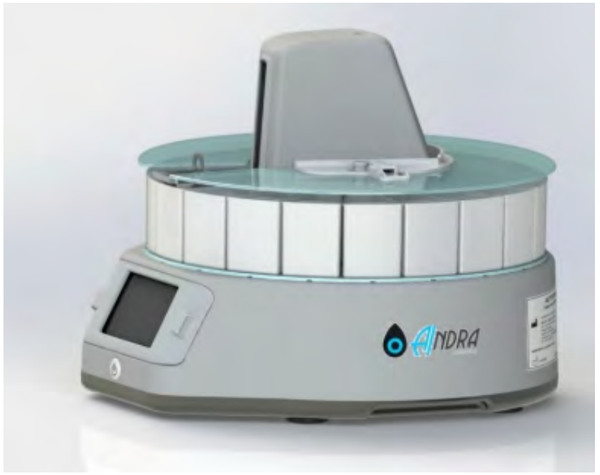
Many women across India delay screening for cervical cancer because access is limited. Tests often require **travel to distant hospitals, are expensive, and take weeks for results.** For women especially in low-income households or rural areas, screening is postponed until symptoms worsen, reducing the chances of early and effective treatment.

Cervical cancer is the second most common cancer among women in the country and caused more than **79,000 deaths in 2022**, despite being highly preventable through early screening. Reliable screening facilities and trained pathologists are scarce in rural and semi urban areas, while traditional tests are costly and slow. These barriers delay diagnosis and prevent large-scale screening because affordable and accessible tools are missing at the first point of care.

Solution

Aindra Systems uses AI to bring **affordable, high quality cancer screening** to primary healthcare centres through its computational pathology technology, ASTRA. Its first solution, CervAstra, enables point of care cervical cancer screening where women can provide a standard Pap smear sample at a local clinic and **receive results within a few hours instead of weeks.** The AI model analyses the samples to classify them as normal or abnormal, reducing manual review time and allowing pathologists to focus more on critical cases.

The solution is supported by a full **AI enabled pathology stack**, including automated staining, slide digitisation at the point of care, and tele pathology workflows that allow remote review of AI flagged cases. **Compact and portable hardware** enables deployment in resource constrained regions, while continuous learning from pathologist feedback improves model performance over time. By offering low cost screenings and combining AI with point of care delivery, Aindra makes early cancer detection accessible, scalable, and effective for underserved populations.



Aindra's IntelliStain device | Image source : Aindra

Affordable cancer screening technology for cervical cancer detection

Founders Profile

Founded in 2012 by Adarsh Natarajan, whose IT industry experience and engineering background shaped his motivation to deploy computer vision AI for large-scale healthcare diagnostics.

Early Stage

Raised a total funding of $304K

Scale

- Part of **India Sweden Healthcare Innovation Centre**, with expansion plans in other developing nations with similar demographics and resource-constraints.
- Aims to extend its AI technology for screening of other conditions such as **oral, prostate, blood cancers, and malaria.**

For further details, reach out to connect@kalpaimpact.com

Ambee

AI-driven environmental intelligence for climate-aware decisions

Climate Tech

Impact

Delivered a reported 30× return on investment

driven by measurable improvements in demand forecasting and inventory decisions.

Improved forecast accuracy by around 20%,

enabling more reliable planning across large retail operations.

Increased inventory order efficiency by 30–50%

across a network of 2,000 stores, reducing stock-outs and excess inventory.

Problem

Environmental risks such as air pollution, extreme heat, wildfire smoke, and allergens are becoming more dynamic and uneven across neighbourhoods. Yet monitoring systems remain sparse. **As of December 2024, India operates 966 continuous air quality monitoring stations across 419 cities and towns, with PM2.5 monitored in only 277 cities.** As a result, most public systems and digital platforms still rely on coarse, delayed, or city-wide averages that fail to reflect local exposure.

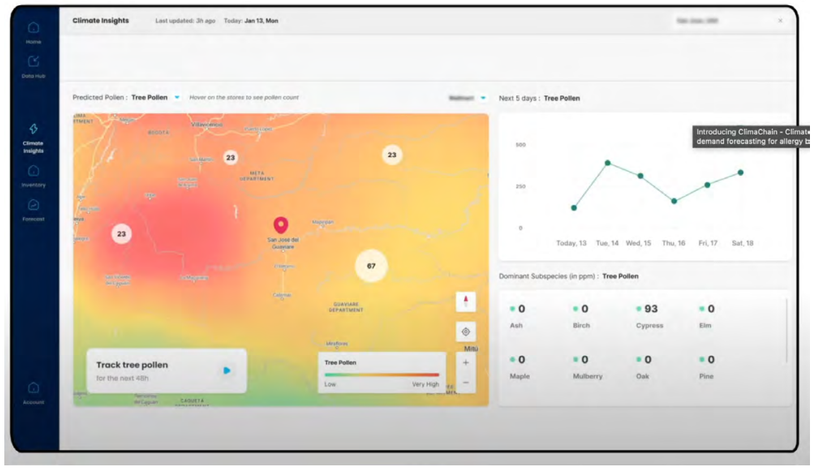
This creates a persistent lag for governments, enterprises, and digital service providers. Environmental risk often becomes visible only after health impacts or service disruptions have already occurred. Without real-time, high-resolution intelligence, advisories are delayed, responses remain broad rather than targeted, and vulnerable populations face avoidable exposure—weakening climate resilience and eroding public trust.

Solution

Ambee builds AI-based systems that turn environmental data into **real-time, decision-ready information.** The platform brings together **satellite imagery, ground sensors, weather models, and public datasets** to create a detailed view of local environmental conditions.

AI is used to combine these data sources, fill gaps where measurements are missing, and generate **hyperlocal maps and short-term forecasts** for risks such as **air pollution, extreme heat, wildfire smoke, and allergens.** Instead of static reports, the system helps predict how conditions may change over the next few hours or days.

Insights are delivered through **APIs and dashboards,** allowing environmental intelligence to be embedded directly into **government portals, enterprise systems, and consumer applications.** This shifts climate and health risk from background context to live operational input, enabling earlier warnings, targeted advisories, and climate-aware decision-making at scale.



ClimaChain platform for climate insights | Image source: Ambee

Real-time environmental intelligence for climate-aware decisions

Founders Profile

Ambee was founded in 2017 in Bengaluru by Jaideep Bachher, Akshay Joshi, and Madhusudhan Anand. The founding team combines experience in environmental science and large-scale data analytics, aligning closely with the challenge of building real-time, scalable air quality and environmental intelligence systems.

Early Stage

Raised a total funding of $4.38M

Scale

- Reports **over 1 million daily active users globally**, reflecting widespread engagement with Ambee's environmental insights.
- Delivers real-time, hyperlocal environmental data across **150+ countries and 190 K postcodes worldwide,** enabling cross-border use cases.

For further details, reach out to connect@kalpaimpact.com

Anself Dynamics

Affordable AI-enabled retinal imaging tools to expand accessible eye care

HealthTech

Impact

Cuts retinal screening costs by over 90%

with Ocellux priced under ₹80,000 compared to ₹4–10 lakh for conventional fundus cameras, enabling affordable deployment at primary and secondary care levels.

~100,000 tonnes of CO_2 emissions avoided

including diabetic retinopathy, glaucoma, macular degeneration, retinal detachment, and cataracts, enabling timely referral before irreversible vision loss.

Expands screening beyond specialists,

allowing general physicians to capture retinal images with minimal training and receive instant AI-generated reports in resource-constrained settings.

Problem

Lakshmi, a 54-year-old with diabetes, visits her local clinic but has never had a retinal screening. With no nearby ophthalmologist or imaging equipment, early eye disease often goes unnoticed until vision loss begins.

Millions of people with chronic conditions such as diabetes remain unscreened for early retinal **diseases like diabetic retinopathy and glaucoma** due to dependence on expensive, bulky imaging systems and specialist interpretation. In rural and semi-urban areas, **clinics frequently lack both retinal imaging infrastructure and trained ophthalmologists**, causing preventable eye diseases to go undetected until advanced stages, directly contributing to avoidable vision loss.

Solution

Anself Dynamics develops accessible, AI-driven medical imaging tools designed to democratise retinal screening. Its core product, **Ocellux**, is a compact, low-cost fundus camera integrated with AI software that can generate diagnostic reports instantly, enabling retinal imaging anywhere without requiring specialist operators. Beyond Ocellux, the company's portfolio includes:

- **SLIT PAL** – digitisation solutions for slit lamps
- **ThermalLook** – AI thermal imaging for early signs in broader preventive screening
- **DigiMach** – AI-assisted microscopy interpretation
- **OcelluxKC** – portable corneal topographer for anterior segment assessment

These tools aim to shift **early detection workflows** from specialist hospitals into primary clinics, outreach camps, and community settings where prevention and early intervention have the highest impact.

Automated material recovery facility (MRF) using Ishitva's AI-enabled waste sorting line | Image Source: Ishitva

Compact, intelligent retinal AI driven imaging devices for wider screening

Founders Profile

Anself Dynamics was founded in 2021 by Devansh Parikh, an electrical engineer motivated to close the access gap in eye care. Drawing from hands-on engineering training, participation in MIT Hacking Medicine programs, and incubation within India's public innovation ecosystem, he set out to apply Bio-AI to build affordable, portable retinal screening devices deployable at primary care levels.

Early Stage

Funding Details
Not Available

Scale

- Backed by institutional anchors including **GUSEC (Gujarat University), IIPHG NIDHI TBI, and Pontaq**, creating structured **pathways for rural deployment in India and cross-border** expansion into global markets.
- Recognised among India's **top 30 AI startups by the India AI Innovation Mission** (selected from 900+ applicants) and **awarded a ₹25 lakh grant from MeitY** to accelerate scale and adoption.

For further details, reach out to connect@kalpaimpact.com

aquaWISE by Vassar Labs

AI-driven geospatial decision platform for predictive water planning, allocation, and risk management

Water Management

Impact

1.5 million+ soil and water conservation structures

planned and executed, strengthening groundwater recharge and long-term agricultural resilience.

24 TMC of water

saved through improved reservoir operations aligned with monsoon and sowing cycles.

3,500 MW

of hydropower capacity optimised, improving renewable energy reliability through integrated reservoir and inflow management.

Problem

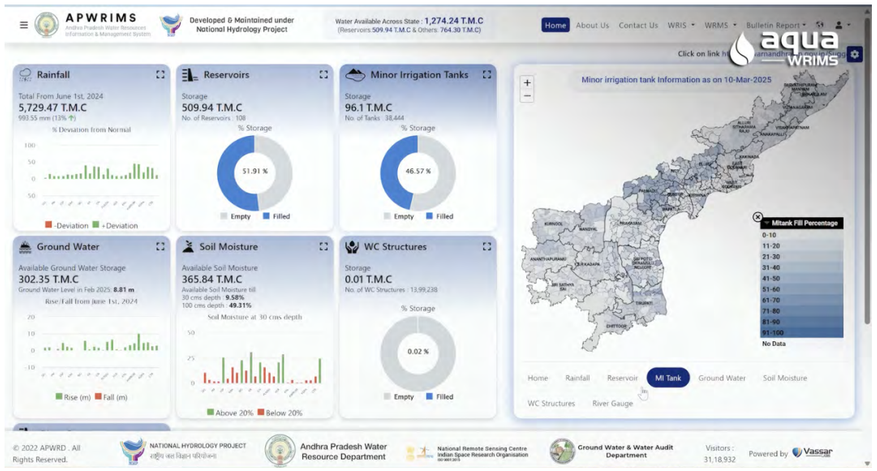
For a state water resources official, everyday decisions such as reservoir releases, irrigation supply, or flood preparedness depend on accurate and timely data. In practice, this information is fragmented. Rainfall, reservoir levels, canal flows, groundwater readings, and crop conditions are tracked by different departments, updated inconsistently, and rarely viewed together, forcing decisions based on partial data or past experience.

India receives most of its rainfall in a few months, while over **60 percent of irrigated agriculture and 85 percent of drinking water rely on groundwater.** Fixed reservoir rules fail to reflect changing rainfall patterns, and flood or drought responses remain reactive. Despite heavy public investment, water is often released too early, too late, or to the wrong areas, leading to crop losses, groundwater depletion, and avoidable fiscal and energy costs.

Solution

Vassar Labs builds AI-based geospatial platforms to **support government management of large public infrastructure systems.** Its water management platform, **aquaWISE**, integrates scientific water models with AI analytics to monitor reservoir storage, surface flows, crop stress, groundwater trends, and encroachments using satellite imagery and remote sensing.

Instead of replacing existing scientific methods, AI helps make decisions faster and more reliable. **The system turns complex data into clear outputs**; such as when to release water from reservoirs, which areas may face flooding, how to time irrigation releases, and where drought risk is increasing. These insights are shared through GIS dashboards, mobile apps, and a simple language GenAI assistant, helping different departments work from the same information and take coordinated, evidence-based action.



Dashboard view | Image source: Vassar Labs

Using AI to make water systems predictable

Founders Profile

Vassar Labs was founded in 2014, by Laxmiprasad Putta(Inkriti founder), with Nikhilesh Kumar(ex-Sepam) and Chandrakiran M(now at Optum). The founding team's backgrounds span institutional project delivery, enterprise digital transformation, and sustainability-oriented platform building, positioning Vassar Labs to develop decision-intelligence systems that integrate sensors, remote sensing, and predictive analytics for public infrastructure and environmental resilience.

Early Stage

Funding Details
Not Available

Scale

- State-scale deployments across India, including **Andhra Pradesh, Telangana, Karnataka, Odisha,** and others.
- National groundwater estimation operationalised, reducing assessment cycles from multi-year exercises to annual updates across **2,600+ groundwater units.**
- Recognised by **NITI Aayog, World Bank, Asian Development Bank, and the U.S. Department of Energy** for contributions to resilient water and energy systems.

For further details, reach out to connect@kalpaimpact.com

Arivihan

Personalised, vernacular-first tutoring platform delivering academic support at scale using AI

EdTech

Impact

15,000+ paid student subscriptions

reflecting demand for affordable, personalised tutoring beyond metro cities.

97% accuracy in AI-generated solutions,

enabling reliable doubt resolution across concepts, numericals, and exam preparation

700,000+ student doubts resolved every month,

reducing learning gaps caused by overcrowded classrooms

Problem

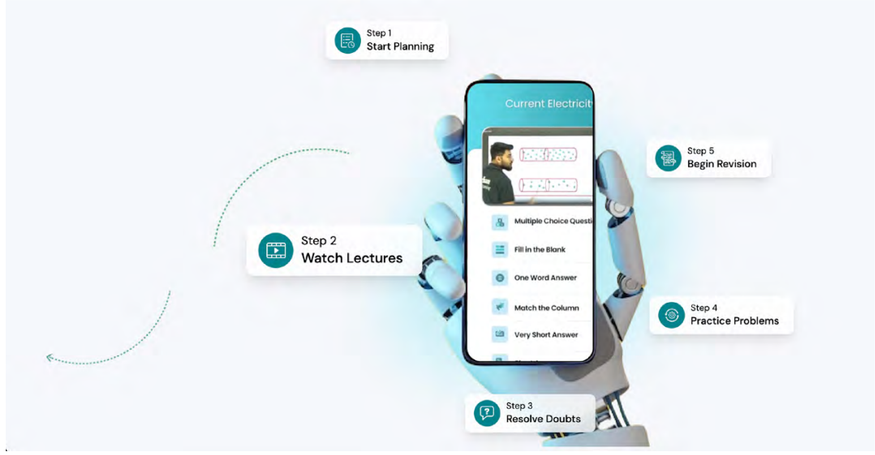
Rohit, a Class 9 student from Telengana, studies diligently but hesitates to ask questions in class. Online concept explanations arent there in vernacular languages and his doubts go unresolved, over time small gaps in understanding compound into poor confidence and falling scores.

Quality academic support remains concentrated in urban coaching centres that are costly and inaccessible for most families. **Schools operate with high student–teacher ratios, limiting personalised attention and timely doubt resolution.** Students from small towns and vernacular-medium backgrounds face an added disadvantage, as much of India's digital learning content is English-heavy and poorly adapted to their learning context. **Without language-accessible, adaptive support, capable students fall behind despite sustained effort.**

Solution

Arivihan provides a fully automated AI tutoring platform designed to deliver **coaching-class quality academic support** in the language students understand best. The system analyses student performance, identifies weak areas, and generates **personalised learning paths** across school curricula, state boards, and foundation-level preparation for national competitive exams.

Students can ask questions or upload photos of problems and receive **clear, step-by-step explanations** tailored to their comprehension level. With a **vernacular-first design**, Arivihan delivers lectures, practice sheets, and assessments in languages such as Hindi, Tamil, and Telugu, enabling students to learn at their own pace without dependence on expensive coaching centres.



Arivihan platform features | Image source: Zee Business

Using AI to deliver vernacular-first personalised tutoring

Founders Profile

Founded in **2020**, **Arivihan** was started by **Ritesh Singh, Rushabh Kothari, and Sonu Kumar Prashant**. The founding team combines experience from **healthcare and edtech technology roles (Thermo Fisher Scientific, Digit88, Augmented Learnings)**, and strong Tech foundations from **IIT Roorkee**, coming together to address gaps in accessible, personalised academic support for non-metro and vernacular learners.

Early Stage

Raised a total funding of $4.81M

Scale

- Active adoption across **CBSE and multiple state boards**, serving students beyond traditional coaching hubs.
- **Raised USD 4.81 million in 2025**, led by Prosus and Accel, to expand AI research, curriculum coverage, and language support. Positioned to scale personalised tutoring to millions of learners through low-cost, multilingual access.

For further details, reach out to connect@kalpaimpact.com

Artelus

AI enabled device for early detection of retinal diseases using fundus and OCT imaging

HealthTech

Impact

Screening turnaround reduced from days to under 5 minutes

enabling same-day referral decisions in OPDs and community screening camps.

92% sensitivity and 88% specificity

achieved for diabetic retinopathy detection across **10,058 fundus images from 5,029 patients** in multicentric Indian validation studies.

100% sensitivity for referable diabetic retinopathy (DR3 & DR4),

ensuring no high-risk cases requiring urgent specialist intervention were missed during screening.

Problem

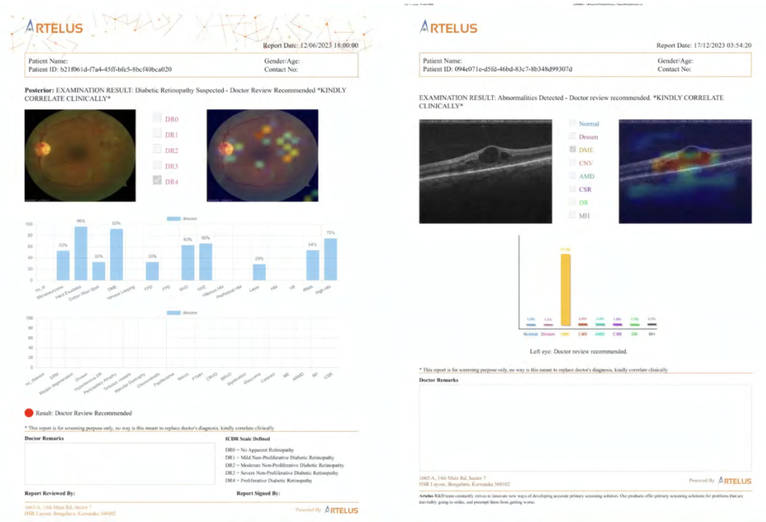
In a small town outside Kolkata, Rina, a 52-year-old living with Type 2 diabetes, visited a clinic only after her vision began to blur. By then, doctors **detected diabetic retinopathy and early glaucoma**, conditions where delayed diagnosis can lead to irreversible blindness.

Preventable vision loss from diabetic retinopathy (DR) and glaucoma is a systemic gap. Nearly one-third of people with diabetes develop DR, but early screening is often inaccessible. Screening requires **specialists, costly equipment, and reliable connectivity.** Limited ophthalmologists, high costs, and delayed analysis mean rural and semi-urban patients frequently miss the narrow window for sight-preserving treatment.

Solution

Artelus develops retinal screening systems that analyse fundus and OCT images to identify early signs of diabetic retinopathy and glaucoma at the point of care. Its flagship solution, **DRISTi,** applies deep learning models to classify disease stages and generate explainable outputs using heatmap visualisations that support clinician interpretation.

The platform is designed to **function offline**, allowing deployment in primary health centres, mobile screening units, and community camps where internet access is unreliable. Artelus' solution is licensed by **CDSCO in India and carries CE Class I** marking for regulated clinical use.



Artelus scans and AI analysis report | Image Source : Artelus

Intelligent Ai enabled retinal screening for early-stage detection

Founders Profile

Founded in 2015 by Pradeep Walia, Vish Durga with a shared goal of using AI to improve early disease detection in underserved settings. The founding team brings deep experience in building scalable, mission-driven platforms, with prior collaboration in AI and healthcare-focused technology.

Early Stage

Funding Details
Not Available

Scale

- Deployed across **50+ screening centres** in India, including clinics, charitable hospitals, and community health programmes.
- **Offline-first architecture** enables wider access and use in rural primary care facilities. Partnerships with NGOs, hospitals, and public health initiatives support large-scale community screening.
- Actively expanding into the **UK, Middle East, Malaysia, and Australia**, with progress toward US FDA clearance.

For further details, reach out to connect@kalpaimpact.com

August.AI

24/7 AI companion for personalised mental health and health guidance

Wellness Tech

Impact

Demonstrates 25% higher diagnostic accuracy

strengthening reliability of AI-assisted clinical decision-making in real-world settings.

Achieved a

100% score on the USMLE (US Medical License Examination)

outperforming leading medical AI systems such as MedPaLM 2, indicating expert-level medical reasoning.

Delivers 86.75% accuracy in medical conversations

enabling safer and more precise clinical triage and patient-facing interactions.

Problem

Neha, a 24-year-old college student, experiences persistent anxiety but avoids seeking care due to long waits and social stigma. When she looks online for help, the information is fragmented and hard to trust.

Access to timely and **reliable mental health support** remains limited, particularly outside major cities, due to **specialist shortages, long queues, and stigma.** With no dependable, immediate guidance, early symptoms of stress and anxiety often go unsupported, allowing conditions to escalate before help is reached.

Solution

August.AI provides a 24/7 AI-powered health companion designed to act as a user's **first point of guidance**, and not a replacement for clinicians. Through natural, conversational interactions, users can describe symptoms, understand diagnostic reports, and clarify next steps with zero wait time.

The platform uses **medical-domain AI models trained by doctors, engineers, and data scientists** to deliver structured guidance across symptoms, medications, side effects, and care pathways. Strong safety guardrails ensure the system does not make diagnoses and consistently encourages escalation to licensed clinicians.

By focusing on clarity, reassurance, and responsible AI use, August.AI helps reduce confusion, prevent panic, and support informed decision-making during early or uncertain stages of mental health concerns.

August.AI in action | Image source: August.AI

Using AI to provide safe, personalised health guidance

Founders Profile

August.AI was founded in **2022 by Anuruddh Mishra**, inspired by a personal misdiagnosis and his experience building impact-driven platforms at **Reimagine Giving and GiveIndia**. His background in creating scalable social-impact products shaped August as an AI system that extends health guidance beyond short clinical visits.

Early Stage

Raised a total funding of $4.6M

Scale

- August AI has processed **12 million plus medical records**, indicating deployment across high-volume, real-world clinical workflows.
- The platform supports **5 million active users and 100,000 doctors across 160 countries** demonstrating widespread adoption by both patients and medical professionals.

For further details, reach out to connect@kalpaimpact.com

Boson Whitewater

Wastewater recovery for urban water security

Water Management

Impact

65+ crore litres of water recovered

from treated wastewater streams, converting sewage outflow into high-quality reusable water.

55+ lakh tanker trips avoided,

reducing groundwater extraction, diesel consumption, and urban emissions.

Problem

Indian cities face a structural water paradox: growing scarcity alongside large volumes of wasted treated wastewater. **Indian cities generated over 72,000 million litres of used water (domestic sewage) per day, of which only 28 per cent was actually treated (CPCB 2021)**. Even where treatment exists, most treated effluent is discharged into drains and water bodies instead of being reused, representing a major missed opportunity as freshwater availability becomes increasingly constrained by climate variability, urban growth, and competing demand.

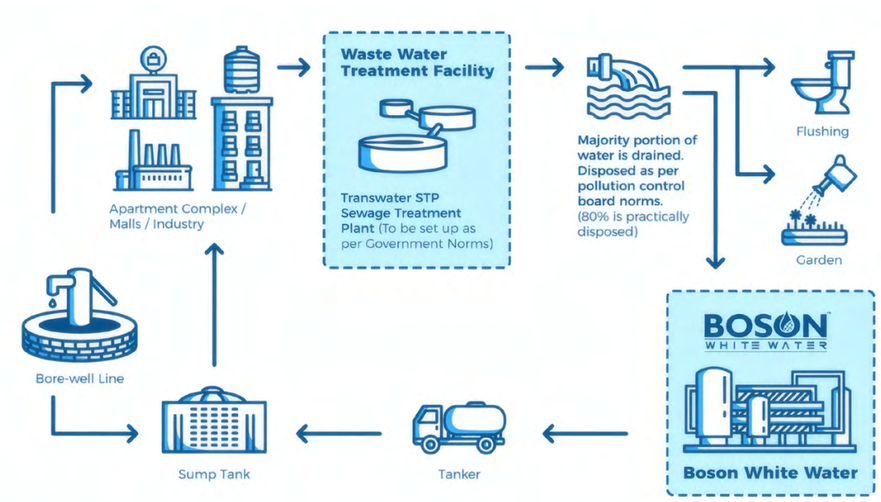
At the same time, urban water systems are highly inefficient. **Non-revenue water averages 35–40% across Indian cities**, driven by leakage, ageing infrastructure, and poor monitoring. As a result, industries, institutions, and residential complexes rely heavily on groundwater extraction and diesel-powered tanker supply, increasing costs, emissions, and aquifer depletion. Without decentralised wastewater reuse, cities remain vulnerable to seasonal shortages despite having a continuous wastewater stream within their own boundaries.

Solution

Boson Whitewater builds **AI- and IoT-enabled systems that recover potable-quality water from STP-treated wastewate**r, enabling decentralised reuse at the point of demand.

At the core is a **patented multi-stage filtration and disinfection process**, combined with real-time sensing of water quality, flow, and system performance. IoT data feeds into **machine-learning models that learn normal operating behaviour**, detect anomalies such as membrane degradation or pump inefficiencies, and trigger predictive maintenance. This reduces downtime, stabilises output quality, and lowers operational cost.

Recovered water is supplied through an **OPEX model,** priced competitively below tanker water, and used for cooling towers, industrial processes, landscaping, and institutional needs. By embedding AI into physical water infrastructure, Boson Whitewater shifts urban water management from extraction-heavy supply models to **predictive, circular reuse systems.**



How Boson White Water works | Image source: Boson WhiteWater

AI and IoT-driven wastewater recovery for decentralised reuse

Founders Profile

Boson Whitewater is based in Bengaluru, founded in 2011 by Vikas Brahmavar and Gowthaman Desingh. The founders bring experience across industrial water treatment, process engineering, and deployment of decentralised treatment systems, with a focus on translating scientific principles into reliable, on-ground solutions.

Early Stage

Raised a total funding of $1.65M

Scale

- Operational deployments across major Indian cities, including **Bengaluru, Hyderabad,** supplying recovered wastewater for industrial and institutional reuse in water-stressed urban regions.
- Recognised and supported through national public-sector innovation programmes, including the **Ministry of Housing and Urban Affairs (MoHUA).**

For further details, reach out to connect@kalpaimpact.com

BrainSight AI

AI powered neurodiagnostics technology

HealthTech

Impact

Used across 40 hospitals in India

to modernise treatment for brain tumours, Alzheimer's, and other neurodegenerative diseases.

Enables up to 90 times earlier screening

and 10 times earlier confirmation of mental and neurological disorders.

Supports faster and more precise patient recruitment for clinical trials

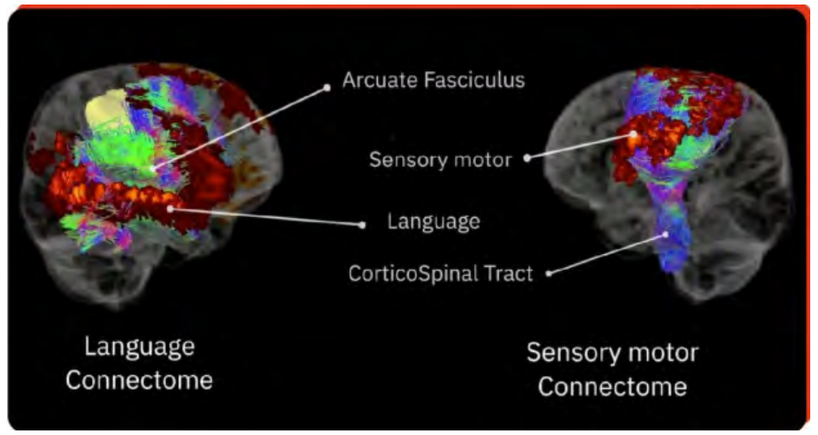
Problem

Across hospitals, psychiatrists and neurologists often make critical treatment decisions with limited objective information. Mental health and neurological conditions are still diagnosed mainly through patient interviews, observed behaviour, and basic scans that show brain structure but not brain function. For patients who cannot clearly express symptoms, such as those who are comatose, cognitively impaired, or severely ill, this gap becomes even more serious. **Access to advanced brain assessment tools is limited to a few specialised centres, and existing solutions are expensive, slow, and hard to scale.** Thus, early signs of illness are often missed, and many patients reach care late due to the lack of accessible, objective tools that can support early and accurate understanding of brain function at scale.

Solution

BrainSightAI uses AI to help doctors understand how a patient's brain is actually functioning, by analysing advanced MRI scans to generate **personalised brain maps.** These maps capture both structural and functional patterns, **improving diagnosis of neurological and psychiatric disorders** such as schizophrenia, bipolar disorder, dementia, Parkinson's, and epilepsy. The technology also supports neurosurgeons in pre surgical planning, especially for patients who cannot clearly communicate symptoms, by providing objective insights into brain function.

Hospitals securely share MRI data with **BrainSightAI**, which applies a combination of established ML models and proprietary algorithms to **analyse functional MRI, structural MRI, and resting state fMRI** at an individual level. The system generates detailed brain connectivity profiles, AI based imaging markers, and simulations of surgical impact, delivering clear functional reports within 24 hours. These insights are presented through **explainable, interactive 3D visualisations via a cloud based SaaS platform**, already deployed across multiple hospitals to support screening, diagnosis, and treatment planning for complex brain conditions.



BrainSight AI's 3D Brain Mapping | Image source : BrainSight AI

Personalised brain maps for diagnosis of neurological disorders

Founders Profile

Founded in 2019 by Laina Emmanuel and Rimjhim Agrawal, with combined expertise in healthcare policy, technology commercialization, psychiatry research, and machine learning for neuroimaging.

Early Stage

Raised a total funding of $6.65M

Scale

- Discussions with hospitals in **Nepal and parts of Africa**, along with pilots and testing in **developed markets such as the US and Dubai.**
- Long term vision is to make functional brain investigation a part of standard care, enabling early diagnosis and better treatment planning at scale.

For further details, reach out to connect@kalpaimpact.com

Cautio

AI-powered smart dashcams for cab fleet safety

Urban Mobility

Impact

Work with premium cab operators, campus providers, tier II/ III city transporters; logistics firms and three-wheeler services

Over 3.3 million trips protected

across more than **15,000 vehicles.**

4700 Cr+ GPS pings

collected, building India's largest video mobility dataset.

Problem

In Gurugram, Priya, a 30 year old working woman, often takes late-evening cabs after work. One night, when her driver began speeding and taking unfamiliar routes, she panicked. There was **no in-cab monitoring, no real-time alerting, and no way for the company** to verify whether she was safe.Even if an incident had occurred, there would have been no video evidence to understand the driver's actions.

This is a common experience across ride-hailing platforms, where most safety systems are limited to location tracking and automated SMS alerts. These tools can't capture risky behaviour such as **overspeeding in traffic, driver distraction, aggressive turns, passenger harassment, or route deviations,** which leads to multiple cases related to passenger harassment and unsafe driving.

Solution

Cautio provides **AI equipped smart dashcams** designed for Indian road conditions. The system uses dual cameras, one facing the driver to track fatigue, distraction, or risky behaviour, and another facing the road to monitor driving patterns and external hazards, with an optional third camera for cabin or rear monitoring in commercial and shared mobility vehicles. GPS and 4G connectivity enable accurate location tracking and live data transmission.

Cautio's onboard AI processes video directly on the device using **edge computing** to detect high risk events such as drowsy or distracted driving, harsh braking, overspeeding, or suspicious passenger movement. Drivers receive instant alerts, while incidents are sent to **Cautio's 24/7 command centre** for rapid intervention, including escalation when required. This proactive approach reduces chances of accidents and misconduct, protects drivers with video evidence in case of disputes, and helps fleet operators increase passenger trust and satisfaction.

Cautio AI-powered dash cams | Image source: TapStartX

AI-powered smart dashcams for commercial taxi safety teams

Founders Profile

Founded in 2023 by Ankit Acharya and Pranjal Nadhani, with several years of experience with building and scaling businesses in India's mobility and technology ecosystem in companies like Namma Yatri.

Early Stage

Raised a total funding of $3.86M

Scale

- **Over 270 million AI alerts processed** and over **45 million video kilometres logged across 45+ Indian cities.**
- Plans to support insurance mapping processes for **easier claim resolutions** in case of accidents for passengers and drivers alike.

For further details, reach out to connect@kalpaimpact.com

Cognitii

AI application for identification and personalised education support to children with learning disabilities

EdTech

Impact

Live across 5 schools in India, supporting 243 students with special needs

Up to 90% reduction

in time for drafting **Individualised Education Plans(IEP)** for each child.

Ongoing collaboration with

multiple state governments including Kerala, Telangana, and Andhra Pradesh

Problem

When children with learning differences enter school, their challenges often go unnoticed. Difficulty focusing, following instructions, or keeping up in class is mistaken for poor performance rather than a learning need. Without early identification, these children do not receive personalised support, fall behind academically, and experience declining confidence, turning school into a stressful experience despite genuine effort.

Developmental and learning disabilities are common among many children, yet early identification remains limited due to lack of awareness and simple screening methods in schools. Educators often lack tools to detect learning difficulties or track progress over time, leading to delayed support. As a result, many students struggle for years and miss the opportunity for early intervention that could significantly improve learning outcomes.

Solution

Cognitii helps identify learning difficulties early and provides personalised learning support for children with special needs such as **ADHD, autism, and dyslexia.** Its AI powered mobile application is designed for schools and integrates easily with public education systems. Students complete **short cognitive, verbal, and behavioural tasks** on the app, which act as a screening proxy and capture objective signals about how they think and respond. These signals are validated using inputs from parents and teachers, after which the AI system builds a detailed cognitive profile and identifies likely learning challenges.

Based on this profile, the app delivers personalised, gamified learning modules that adapt continuously across academic, literacy, social, communication, and functional skills. Cognitii also generates **individualised education plans** and provides a **teacher copilot** for lesson planning and progress tracking. System level dashboards give schools and governments real time visibility into outcomes, with **integration into platforms like UDISE+ and Samagra Shiksha.** The solution supports multiple languages, and runs across devices without requiring new hardware.

Cognitii app interface | Image source : Cognitii

AI powered application for early identification and personalised education support for children with developmental and learning disabilities

Founders Profile

Founded in 2023 by Jhillika Trisal, Falguni S and Souvik Ghosh, with backgrounds in neuroscience research, social entrepreneurship and AI solutions.

Early Stage

Funding Details
Not Available

Scale

- Actively collaborating with state governments to scale across government and low-income schools.
- Working with **ICMR-NCAT** for clinical validation of the screening solution.
- Partnering with progressive state governments on building **India's first data disability layer**, to strengthen India's special education ecosystem.

For further details, reach out to connect@kalpaimpact.com

Daira Edtech

AI-based SLD screening and personalised learning support

EdTech

Impact

Used by 10,000+ children

with Specific Learning Disabilities (SLDs) across India as part of their beta launch.

Conducting pilots across

Tamil Nadu, Karnataka, and Odisha, with support from Rotary Club and open schools

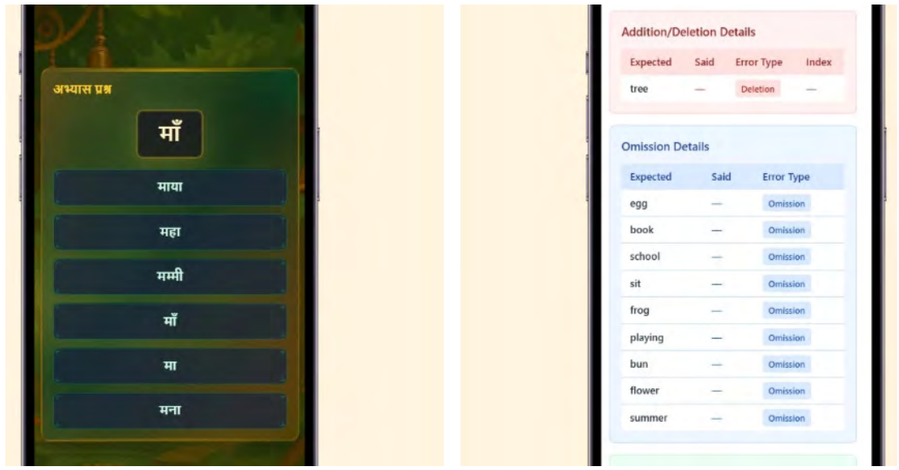
Problem

In India, with over 255 million school going children, an **estimated 26 to 30 million have Specific Learning Disabilities(SLDs) like dyslexia, ADHD, or other learning difficulties.** However, only a small fraction receive timely diagnosis or support, due to language barriers, social stigma, limited professional capacity, and lack of digital infrastructure. For many children, difficulties begin quietly in the classroom. Struggles with reading, writing, or attention are often mistaken for poor effort or behaviour. Language diversity, social stigma, and a shortage of trained professionals make early identification difficult, especially in non English and low resource schools. Even when identified, support is usually generic and not tailored to how a child learns.

Solution

Jiveesha is an AI powered **diagnostic and learning support application** designed to identify and support **children aged 6 to 14 with Specific Learning Disabilities (SLDs)**. It enables early diagnosis of SLDs through short, gamified assessments that feel like play, allowing children to engage naturally. The application supports **multiple Indian languages** so children can be assessed and supported in their mother tongues, and works entirely on existing devices without any special hardware, making it accessible in both urban and rural settings.

Jiveesha analyses how a child reads, writes, speaks, and responds using **webcam and microphone inputs** to help study speech patterns, hesitation, stress, and emotional cues, while tools like **handwriting analysis** detect subtle learning challenges such as dyslexia and related anxiety. Based on these insights, the platform creates **personalised learning and remediation plans** tailored to each child's specific needs. **Personalised dashboards** help parents and educators understand where a child struggles and how to support them, while an adaptive learning browser adjusts content, pace, and interaction style to enable inclusive everyday learning.



Jiveesha application interface | Image source: Daira Edtech

Multilingual AI-based application for SLD screening and personalised learning support

Founders Profile

Founded in 2024 by Rishikesh Amit Nayak, Anikaet S Irkal and Shrawani Choudhary, with strong engineering backgrounds and complementary expertise. Rishikesh is an entrepreneur and innovator who has represented India at Intel Vision and NASA HERC, Aniket brings deep technical expertise across AI, IoT, and robotics, and Shrawani contributes experience in social impact, together driving the development of technology enabled education solutions.

Early Stage

No funding raised

Scale

- Enables multilingual content across Indian languages by integrating **Bhashini technology.**
- **Partnered with multiple schools** across India for technology validation, including Sweet Home School in Dharwad, Brio Kids in Bhubaneswar and Sankalp Open School in Chennai.
- Recognised as **one of India's Top 5 AI Initiatives in Assistive Tech for Learning Disabilities** by Meity and IndiaAI, and received special mention at **BoldCap's prestigious AI at Public Good Challenge and featured as one of the Top 6 Startups that uses AI for Public Good.**

For further details, reach out to connect@kalpaimpact.com

Devnagri

AI-powered multilingual translation platform

AI Infrastructure

Impact

Over 10 million

multilingual customer interactions supported, and **500M+ words localized** across more than **40 languages** (Indian & International)

Improved digital engagement

for local MSMEs, reduced turnaround time for KYC verification process in regional languages.

Used by 200+ customers, including 100+ MSMEs and enterprise linked small businesses

Problem

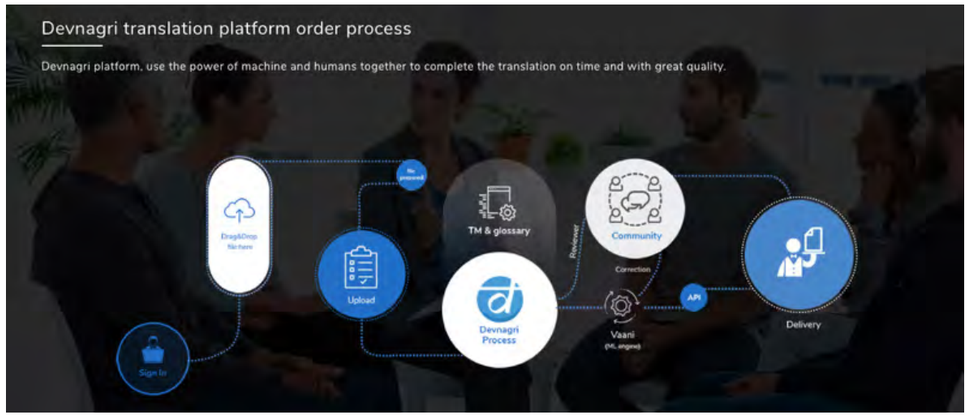
A young artisan from Jaipur tried listing her handcrafted products on an online marketplace. She had the skill and inventory but was not comfortable with English. The platform required product descriptions, tags, and customer communication in a language she could not fully understand. She guessed her way through the process, and her listings were soon buried and overlooked. The internet promised reach, but without support for her own language, she was not able to fully utilise it.

India is expected to cross **900 million internet users by 2025**, yet **less than 10 percent are fluent in English.** Despite this, most digital platforms remain English dominated, limiting access for users in tier two, tier three, and rural regions. Many users and small business owners miss out on opportunities simply because the internet does not support the languages they speak.

Solution

Devnagri offers tools for translating websites, apps, and documents into Indian languages, combining AI models with support from a large network of native language translators to ensure accuracy and speed. Its core engine, Vaani, is built on custom transformer models trained on over **750 million data points across 22 Indian languages,** enabling real time translation for government portals, ecommerce platforms, mobile apps, PDFs, images, and multilingual chat and voice support.

Translation and transliteration tools allow users to access public services, financial platforms, and online marketplaces in their own languages while creating livelihood opportunities for language workers. Multilingual automation helps businesses and governments reach non English speakers at scale, and OCR unlocks value from physical documents such as forms, invoices, and certificates, making digital platforms usable for individuals, small enterprises, and informal workers who are not comfortable with English.



Devnagri API based translation | Image source: Devnagri

AI technology transforming vehicle dash cams into safety devices

Founders Profile

Founded in 2019 by Nakul Kundra and Himanshu Sharma, with vast experience in building software solutions and scaling tech products and a vision to personalize business communication to cater to non-English speakers.

Early Stage

Raised a total funding of $1.66M

Scale

- Ecosystem partnerships with CPaaS providers, global OEMs, and national digital infrastructure programs such as **ONDC and Bhashini.**
- Planning to expand into newer regions like the Middle East, **particularly the GCC region,** to support enterprises with **Arabic dialects.**

For further details, reach out to connect@kalpaimpact.com

DigitalPaani

AI-driven water risk and compliance intelligence for industry

Water Management

Impact

40+ wastewater treatment facilities

deployed across industrial, municipal and commercial customers including Tata Power, Delhi Jal Board.

25–35% reduction in operating costs

and improved water reuse outcomes through sensor-driven automation and optimisation.

Problem

Industrial water management in India is under growing pressure from groundwater depletion, stricter regulation, and climate volatility. At the same time, **treated and reused wastewater could meet up to 65% of urban water demand**, making it one of the most underutilised water resources in the country. Yet in practice, wastewater systems often fail to deliver this potential. **Around 75% of wastewater treatment plants are estimated to be dysfunctional**, despite significant investment and operating effort.

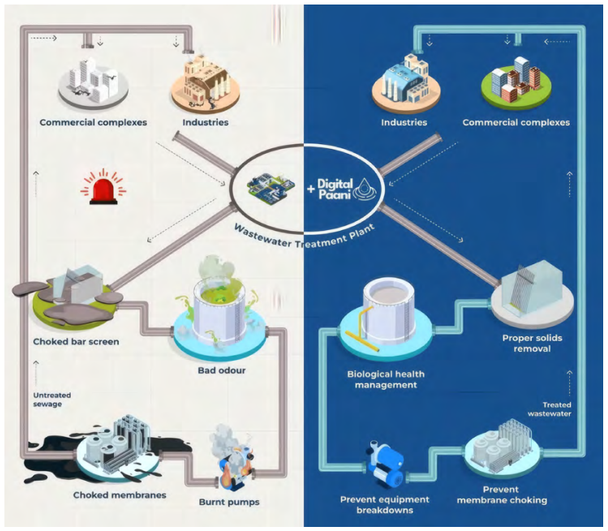
For industries, this creates a structural challenge. Most factories still rely on manual logs, periodic audits, and fragmented spreadsheets to track water withdrawal, usage, treatment, and discharge. Problems in treatment performance or compliance are often detected only after failures occur—during inspections, penalties, or supply disruptions. For regulators, monitoring thousands of industrial facilities across stressed basins is resource-intensive and dependent on delayed or self-reported data.

Solution

The platform integrates **sensor data, operational logs, regulatory thresholds, and basin-level context into a single digital view** of industrial water use. AI models analyse consumption patterns, detect anomalies, and flag emerging risks—such as excessive withdrawal, untreated discharge, or regulatory exceedance—before they escalate.

Rather than producing compliance reports after the fact, DigitalPaani enables **continuous monitoring and early warning.** Facilities receive actionable insights on where water is being wasted, where treatment performance is degrading, and how close operations are to regulatory or basin stress limits. This allows managers to intervene early, optimise processes, and maintain compliance proactively.

By shifting water management from episodic reporting to **ongoing risk intelligence**, DigitalPaani helps industries operate more efficiently while reducing pressure on shared water resources.



Elements of Digital Paani | Image source: The Better India

Turning industrial water data into continuous risk intelligence

Founders Profile

DigitalPaani was founded in 2020 in Gurugram by Rajesh Jain and Mansi Jain. As a team, the founders bring hands-on experience in managing industrial water and wastewater systems, meeting sustainability and compliance requirements, and running day-to-day water operations. This combined understanding of how water systems work on the ground positions them well to build practical, data-driven tools for water asset management and reuse.

Early Stage

Raised a total funding of $1.2M

Scale

- Active deployments with large enterprises and public utilities, including **Tata Power, Britannia Industries, Delhi Jal Board, and The Leela Palaces.**
- Demonstrating strong commercial traction, with **over 100 facilities** in the pipeline and a **3x YoY increase in paying customers.**

For further details, reach out to connect@kalpaimpact.com

DriveBuddyAI

Real-time driver safety intelligence
to reduce accident risk on roads

Urban Mobility

Impact

3.5+ billion kilometers covered,
with vision-based monitoring driving an
83% reduction in fatigue and drowsiness-related behaviour through early risk detection and intervention with
70%+ reduction in road accidents.

95%+ detection accuracy
for risky behaviours such as drowsiness, mobile usage, and seatbelt non-compliance, enabling timely intervention.

Problem

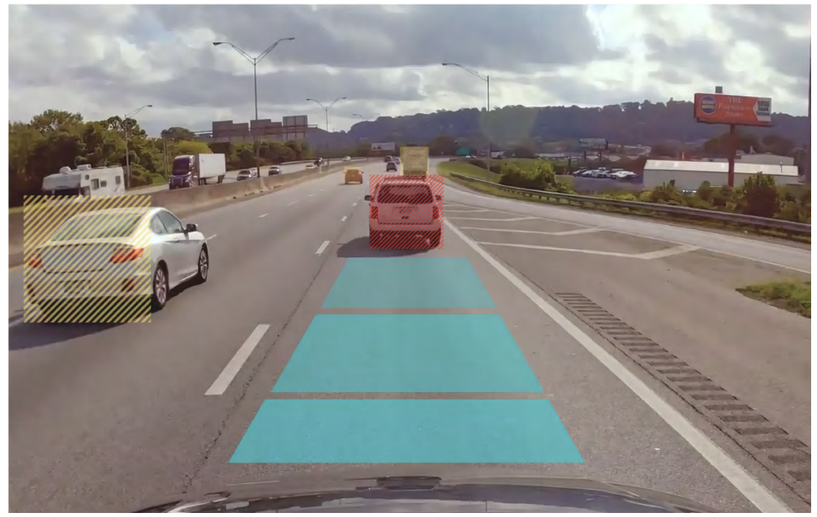
On an overnight bus journey from Jaipur to Delhi, Rohit, a passenger, noticed the vehicle drifting slightly between lanes. The driver had been on the road for hours, battling fatigue and low visibility, with no immediate way for operators to know his alertness was dropping until something went wrong.

This risk plays out daily on Indian roads. **Driver fatigue, distraction, and unsafe behaviour** account for a majority of road accidents, contributing to over **1.5 lakh fatalities annually.** Fleet operators and transport providers largely rely on post-incident reviews or periodic checks, leaving no way to identify danger in real time. The absence of proactive, in-vehicle safety intelligence puts drivers, passengers, and other road users at continuous risk.

Solution

DriveBuddyAI delivers **real-time driver safety intelligence** using in-cabin and road-facing cameras combined with computer vision and edge processing. The system **continuously assesses driver alertness and behaviour** by analysing facial cues, eye movement, head posture, and driving patterns during a journey.

When risk signals such as drowsiness, distraction, mobile phone use, smoking, or seatbelt violations are detected, the system triggers instant audio or visual alerts for drivers and sends notifications to fleet operators. **Beyond the cabin, road-facing analytics track harsh braking, tailgating, and lane departures.** Safety dashboards translate these signals into risk scores and trends, helping operators improve training, route planning, and compliance.



DriverBuddy AI Imaging & Alert System | Image Source : DriverBuddy

Realtime driver monitoring device with AI driven saftey detection & alerts

Founders Profile

DrivebuddyAI was founded in 2018 by Nisarg Pandya, an electronics engineer whose personal experience with a road accident shaped the company's mission to prevent crashes before they happen. With a Master's in VLSI and Embedded Systems, he applied computer vision, embedded AI, and systems engineering to build retrofit-friendly driver monitoring solutions.

Early Stage (Confidential Round)

Scale

- Deployed across **thousands of vehicles,** spanning buses, logistics fleets, and enterprise transport networks with AI models trained on 3.5+ billion kilometers of real-world driving data.
- Operates across major **Indian freight corridors and Europe**, with dual compliance to AIS-184 (India) and EU GSR 2144, and **planned U.S. market entry in 2026.**

For further details, reach out to connect@kalpaimpact.com

EarthSense Labs

AI geospatial digital twins for disaster-risk forecasting

Climate Tech

Impact

Selected from ~900 submissions under the IndiaAI Mission Innovation Challenge,

signalling top-tier validation of EarthSense Labs' AI approach to flood and landslide risk forecasting.

Released Version 1 of the GeoTwin™ platform

within its first year, demonstrating rapid translation from research to a working predictive system.

As a company incorporated in 2025, EarthSense Labs is at a very early stage; current impact lies in platform capability, pilots, and institutional validation.

Problem

Governments are responsible for keeping people and infrastructure safe from floods, landslides, and other climate-related risks. However, decisions about urban planning, infrastructure safety, and emergency response are often made using information that is incomplete, outdated, or spread across multiple systems. Risks are usually recognised only after warning signs become visible on the ground—by which time damage is already underway.

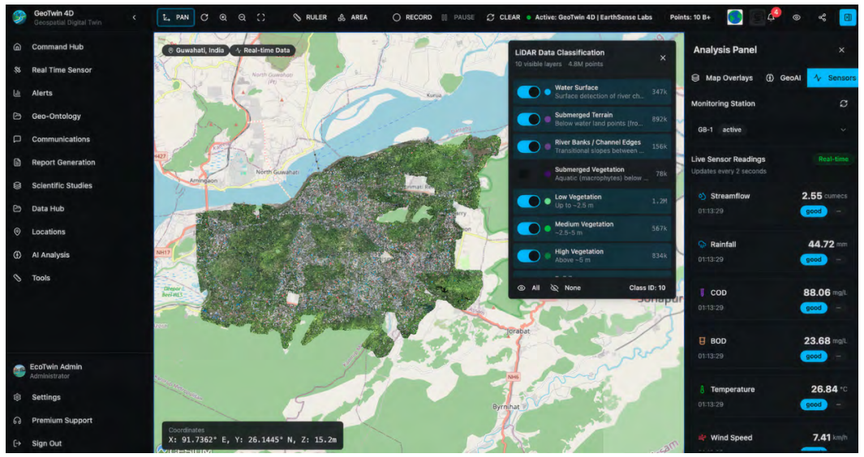
Climate change and rapid urbanisation have made this harder. Rainfall patterns are less predictable, cities are expanding into vulnerable areas, and risks now change quickly across terrain, rivers, and built infrastructure. Yet most planning tools remain static—**maps updated occasionally, alerts based on simple thresholds, and assessments conducted after an event.** This leads to reactive governance, where action follows damage instead of preventing it.

Solution

EarthSense Labs builds AI-based geospatial systems that help governments understand how disaster risk is building up before a flood, landslide, or infrastructure failure occurs. Its **GeoTwin™ platform** creates dynamic digital representations of terrain, water systems, and infrastructure, which update continuously as environmental conditions change.

The platform brings together satellite data, terrain information, environmental signals, and forecasts to track how risk evolves over time. AI models analyse these inputs to identify **early signs of flooding potential, landslide susceptibility, or stress on infrastructure.** The system provides forward-looking insights that help authorities plan earlier—such as preparing evacuations, reinforcing vulnerable areas, or positioning resources in advance.

By embedding this kind of early risk intelligence into routine planning and monitoring, EarthSense Labs helps shift disaster management from emergency response to prevention—where action is safer, less costly, and more effective.



Dashboard view GeoTwin 4D | Image source: EarthSense Labs

Predicting disaster risk before it turns into damage

Founders Profile

EarthSense Labs is founded by **IIT Delhi alumni and faculty**, translating advanced Earth science and AI research into actionable, asset-level geospatial intelligence for public-sector and infrastructure use cases. **Incorporated in 2025, the company is led by Nirdesh Kumar Sharma**, Founder and CEO, and operates at the intersection of environmental modelling, geospatial systems, and applied AI for disaster-risk forecasting.

Early Stage

Funding Details
Not Available

Scale

- Awarded competitive incubation support through a **FITT Incubation Grant**, reflecting institutional confidence in the platform's potential for public-sector use.
- **Live pilot projects across flood, landslide, and terrain-risk forecasting**, including applications focused on **river basins, dams and reservoirs, and hilly terrain, using GeoTwin™–based geospatial digital twins.**
- **Applied use cases spanning disaster-risk forecasting and infrastructure safety**, with projects modelling flood propagation, slope instability, and terrain-driven risk under changing environmental conditions.

For further details, reach out to connect@kalpaimpact.com

Endimension Technology

Medical imaging intelligence for faster, more reliable diagnosis

HealthTech

Impact

1.5 million+ lives impacted

through enhanced radiology reporting and diagnostic support tools deployed across imaging centers and hospitals globally.

750+ imaging centers

trust the platform, embedding AI into diagnostic workflows to improve report turnaround and error detection.

1,000+ installations

of Endimension's AI radiology tools, demonstrating adoption across institutional and clinical settings.

Problem

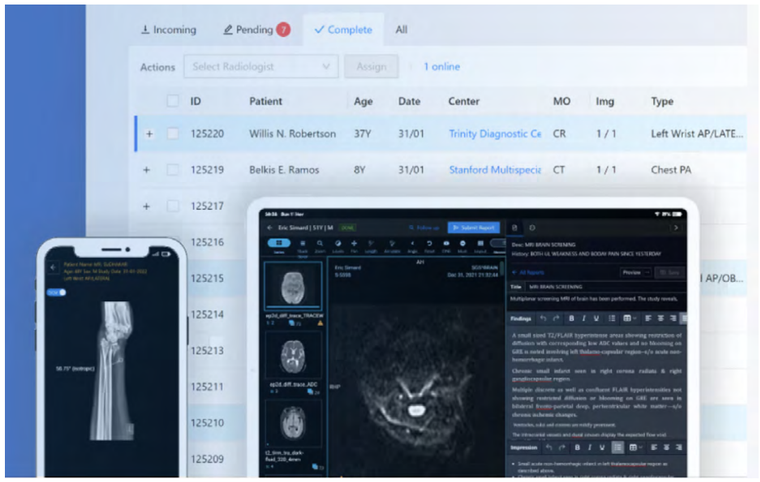
Radiology workloads are rising due to expanded screening, ageing populations, and increased reliance on imaging for clinical decision-making, while the supply of trained radiologists has not kept pace. In India, fewer than **20,000 radiologists** serve a population of ~1.3 billion, resulting in reporting backlogs, delayed diagnoses, and uneven quality, particularly in high-volume and resource-constrained settings.

Radiologists face both operational and cognitive strain when reviewing large volumes of X-rays and CT scans under time pressure, increasing fatigue and the risk of missed findings. Existing digital systems such as **PACS and RIS** manage storage and workflows but provide limited analytical support, leaving interpretation largely manual and constraining scalability and consistency.

Solution

Endimension Technology builds **AI-driven medical imaging platforms** that analyse X-ray, CT, and MRI scans to surface clinically relevant insights in real time. **Machine-learning models** trained on large imaging datasets detect anomalies and disease markers, functioning as a **decision-support layer** that highlights areas of concern and prioritises urgent cases.

AI outputs integrate directly into existing radiology workflows, reducing cognitive load, speeding interpretation, and improving consistency in high-volume diagnostic tasks. By embedding AI into routine clinical practice, Endimension enables health systems to **scale diagnostic capacity without proportionally increasing specialist burden**, improving efficiency while preserving clinical accountability.



AI-assisted diagnostic interface embedded in radiology workflows. | Image source: Endimension

Scaling clinical diagnostics through AI-assisted imaging

Founders Profile

Endimension Technology was founded in 2017 and is led by Bharadwaj Kss and Venkata Apparao Madiraju. The company is incubated at IIT Bombay, and the founding team combines experience in AI-driven medical imaging with healthcare operations and hospital partnerships, positioning Endimension to deploy clinical-grade AI reliably within real-world radiology workflows.

Early Stage

Raised a total funding of $1.33M

Scale

- **Deployed in 400+ hospitals and diagnostic centres** spanning multiple regions, expanding access to AI-augmented radiology tools.
- **Over 1 million patient scans processed to date,** showing real-world use and clinical penetration.

For further details, reach out to connect@kalpaimpact.com

eVerse AI

AI-powered cattle health and methane emission monitoring

AgriTech

Impact

Used by 5 lakh+ farmers to track health for 20M+ animals.

Enables farmers to earn

~Rs 3,000 per cow per year from carbon credits

Partnered with Maharashtra Animal Husbandry Department for the

Maharashtra Methane Mission (M^3)

to deliver the world's largest livestock methane reduction projects, capturing 30M MT CO_2e Carbon Credits.

Problem

Across rural India, small dairy farmers depend on a few animals for their family's income. When a cow eats less or milk yield drops, there is often no clear way to understand the cause. Veterinarians are distant or unavailable, **forcing farmers to rely on guesswork or local advice.** Without timely guidance, minor health or nutrition issues go unnoticed until they become serious, directly reducing income.

India is the world's largest dairy producing country, where the sector is dominated by smallholder farmers with limited access to veterinary care and cattle health monitoring. **Preventable cattle health issues lead to an estimated $1.5 billion in losses each year.** At the same time, inefficient feeding and poor monitoring make dairy farming a major source of methane emissions, adding environmental pressure to an already fragile system and affecting both farmer livelihoods and the climate.

Solution

eVerse.ai delivers two connected AI driven solutions for dairy farmers: **ConnectedCow**, which improves farmer productivity and income, and **GreenCow,** which reduces methane emissions while creating new revenue opportunities. ConnectedCow uses an **affordable AI and IoT based smart cow collar** to continuously monitor animal health, movement, breeding, and nutrition. Sensor data is analysed by AI models to predict heat cycles and provide early warnings for diseases such as mastitis, FMD, and LSD. Farmers can also interact with **CowGPT** through a mobile app or WhatsApp using text or voice in **10+ Indian languages.**

Based on animal health history, vaccination records, and past data, the platform delivers **cost optimized nutrition plans** and **personalized medical guidance.** GreenCow monitors the farm's methane emissions using patented portable handheld devices and applying **MethaneGPT** to recommend feed, digestive, and breeding optimizations. Verified emission reductions are **converted into carbon credits,** creating an additional and reliable income stream for dairy farmers.

Smart Cow Collar | Image source: eVerse AI

AI and IoT-based technology to monitor cattle health, increase dairy productivity and reduce methane emissions

Founders Profile

Founded in 2022 by Ashish Sonkusare, Vidhi Gaur and Shailendra Narwade, with strong expertise in medical devices, life sciences and retail Industry, sustainable technologies and carbon markets

Early Stage

Funding Details
Not Available

Scale

- Working with **National Dairy Development Board (NDDB)** for API integration with INAPH and NDLM to allow access to data for **over 25 crore cows and buffaloes** across India on ConnectedCow platform.
- Partnered with governments, farmer producer organisations, cooperatives like Amul and Mother Dairy, and NGOs to reach dairy farmers at scale.
- Generated **75M+ MT CO_2e carbon credits**, and expanding to new markets like Bangladesh, Africa, New Zealand, and the US.

For further details, reach out to connect@kalpaimpact.com

Eye-D

AI powered assistant app for visually impaired

HealthTech

Impact

Used by 70,000+ users worldwide across 160+ countries

Partnerships with leading non profit organizations across India, Nepal, and Bangladesh

to reach children and adults living below the poverty line and train more people to use the app.

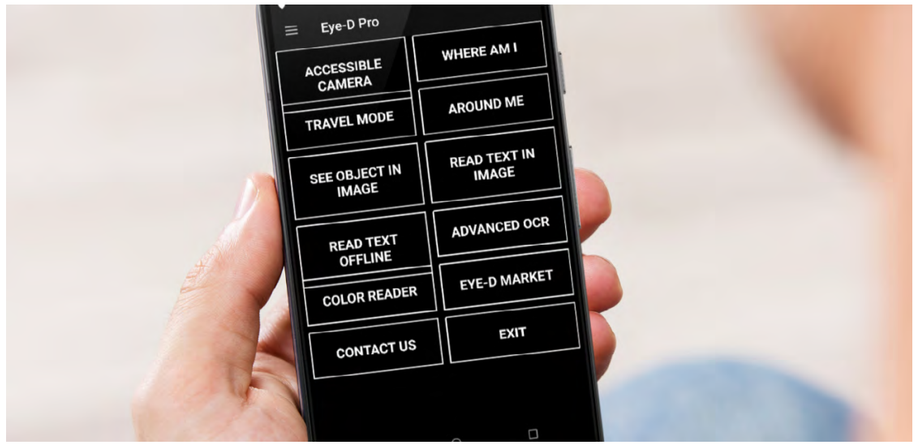
Problem

Across Indian cities, visually impaired individuals navigate daily life with limited support. Uneven footpaths, unpredictable street layouts, and constantly changing surroundings make even familiar routes difficult to navigate safely. **Tasks such as reading signboards, identifying shops, or finding public transport** often require asking for help, reducing independence in environments that are not designed for people who cannot see. Traditional aids like white canes and basic audio devices help detect immediate obstacles but provide very limited information about the surroundings. They **cannot describe environments, identify objects, or guide users in unfamiliar spaces.** As a result, visually impaired people face higher safety risks, loss of confidence, and reduced access to education, work, and social participation.

Solution

Eye-D, developed by Gingermind AI, is an AI application that acts as a real-time perception layer for visually impaired users by **interpreting the visual world through a smartphone camera** and converting it into meaningful audio guidance. Using AI driven computer vision and image understanding, the app **recognises objects, landmarks, text, and surroundings,** helping users make independent decisions. Instead of simply detecting obstacles, Eye-D's AI understands context and helps users make informed decisions independently. The app **supports more than 20 languages**, ensuring information is spoken in the user's preferred language.

For navigation, Eye-D combines **AI based location intelligence** with mapping data to identify where the user is, recognise nearby landmarks, and describe them through audio. Features like **Around Me** help users discover nearby services such as hospitals, bus stops, ATMs, and stores within a configurable radius, while **See Object and Read Text use** AI to describe surroundings and read printed text aloud. Together, these capabilities enable visually impaired users to travel, explore, and access information safely and independently.



Eye-D application features | Image source : Eye-D

AI smartphone app enabling real time navigation and object recognition

Founders Profile

Founded in 2014 by Gaurav Mittal, Vaibhav Deep Asthana, and Subodh Mittal, with experiences across AI, software applications, and social activism and a shared motivation to empower visually impaired individuals through accessible assistive technology.

Early Stage

Raised a total funding of $3.18M

Scale

- App designed to work in diverse environments and languages, with users across India and in **160+ countries.**
- Actively enhancing features related to navigation, object identification, and text reading to **support more use cases and improve accuracy.**

For further details, reach out to connect@kalpaimpact.com

Farmers for Forests

AI & satellite-tech turning forests into climate and livelihood assets

Climate Resilience

Impact

200,000+ hectares of vulnerable forests

under continuous protection through satellite- and field-based monitoring, strengthening conservation across forest-edge regions.

2,500+ hectares transitioned to biodiverse agroforestry,

enabling farmers to move from extractive land use to regenerative, income-linked practices.

40 million+ kg of carbon sequestered annually

through protected and restored tree cover, contributing to measurable climate mitigation.

35,000+ man-days of rural employment generated,

linked directly to forest protection, monitoring, and restoration activities.

Problem

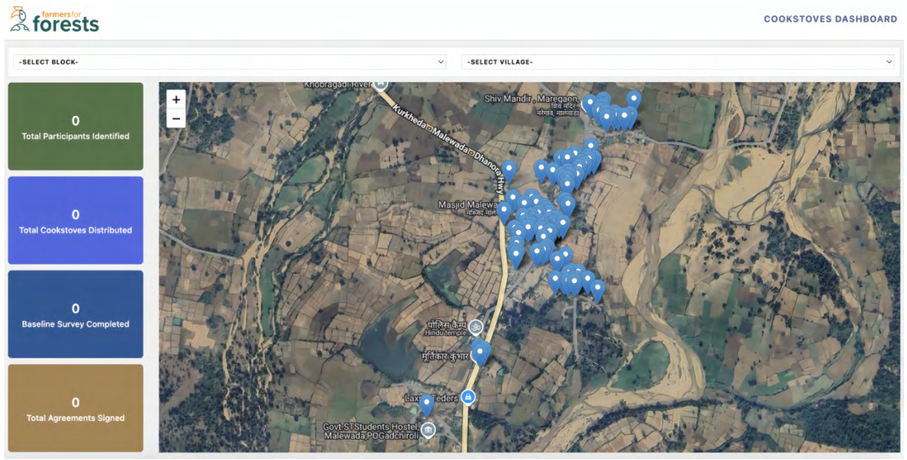
For Raju, a smallholder farmer living along a forest edge in central India, forests are vital for water, soil, and survival, but rarely for income. His community has repeatedly resisted projects threatening nearby forests, filing objections and supporting court cases. While some efforts led to **temporary stay orders,** forest protection was seldom recognised or rewarded, and **stewardship did not translate into stable livelihoods.**

At a systemic level, forest protection remains difficult to measure at scale. Manual surveys are **slow, carbon estimation is expensive, and biodiversity assessments are fragmented.** As a result, communities lack economic incentives to conserve forests, governments lack continuous forest intelligence, and climate finance struggles to reach those safeguarding ecosystems on the ground.

Solution

Farmers for Forests uses an **AI-enabled monitoring and verification system** to make forest protection **measurable and auditable**. The platform combines **satellite imagery, drone surveys, and field data** to track forest cover, tree growth, land-use change, biodiversity signals, and carbon sequestration in near real time. **Machine-learning and computer vision models** estimate canopy density, biomass, and carbon trends at scale.

Field data collected by farmers and community workers is used to **validate AI outputs.** Verified insights are shared through **impact dashboards** that enable governments, conservation organisations, and climate programmes to link forest protection and restoration outcomes with **payments, incentives, and programme support,** allowing initiatives to scale without proportional increases in field costs.



Environmental Outcomes Dashboard | Image Source: F4F

AI-enabled forest monitoring that rewards farmers for conservation

Founders Profile

Farmers for Forests (F4F) was founded in **December 2019 by Krutika Ravishankar, Arti Dhar, and Jaspreet Kaur.** Krutika Ravishankar has spent over a decade working in rural India across sectors including agriculture, forests, and community development, and co-founded F4F to make forest protection economically viable for rural communities through payments for ecosystem services and technology-enabled monitoring.

Early Stage

Funding Details Not Available

Scale

- Operates across **forest–agriculture landscapes in central and eastern India**, including **Maharashtra, Madhya Pradesh, Chhattisgarh, and Odisha,** working with forest-edge and indigenous communities.
- Implements programmes across **afforestation, agroforestry, biodiversity restoration, and climate adaptation.**
- Functions as a **scalable infrastructure layer for nature-based climate solutions,** combining **technology, finance, and community participation.**

For further details, reach out to connect@kalpaimpact.com

GenElek Technologies

Smart wearable exoskeletons for specially-abled

HealthTech

Impact

Compressed years of scientific discovery into months,

than existing global exoskeleton solutions and claims to **reduce rehabilitation and recovery time by nearly 60 to 80%.**

Partnered with leading hospitals and rehabilitation centers like

Paraplegic Rehabilitation Center, BLK Hospital and Dr Ram Manohar Lohia Hospital

Enabled former Indian Army soldiers with paralysis

to represent India at the Cybathlon in 2020, a global competition for specially-abled people.

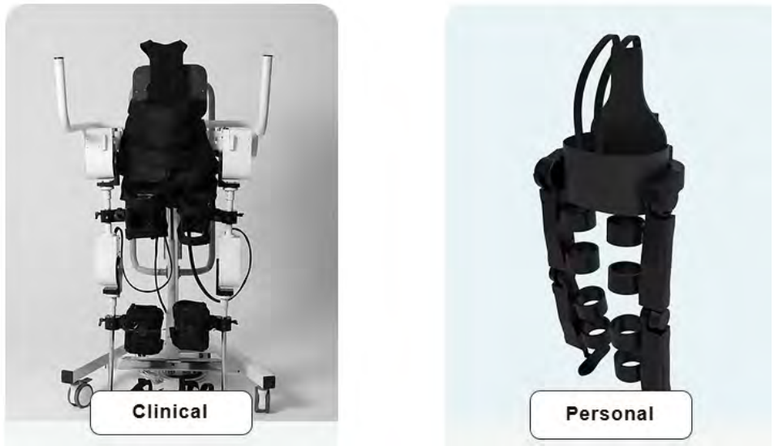
Problem

People living with paralysis, spinal cord injuries, strokes, and other neurological conditions often lose the ability to move independently after injury or illness. Everyday actions such as standing up, walking indoors, or stepping outside require assistance, increasing dependence on caregivers and affecting personal confidence and dignity. Access to regular rehabilitation remains limited, with advanced therapy centres inaccessible in many places. **Existing assistive mobility solutions are also expensive, bulky, or not designed for continuous daily use.** As a result, many capable individuals are unable to regain functional mobility, pushing them out of employment and social life, while families take on long term caregiving responsibilities.

Solution

GenElek Technologies' AI powered robotic exoskeletons **help people regain mobility after paralysis, stroke, spinal cord injuries, and other neurological conditions.** The lightweight, wearable device provides external lower body support that enables users to stand, step, and walk safely, reducing dependence on caregivers and improving independence. Designed to be **affordable compared to global alternatives**, it can be used across different stages of recovery in both clinical settings and personal use.

Using sensor data, the exoskeleton continuously monitors the user's walking patterns and feeds this information to an AI algorithm that dynamically adjusts support, torque, and motion assistance to match individual needs and improve over time. With six different training modes and support for users up to 100 kg, it can be used across different stages of recovery. Cloud based reports allow doctors and therapists to remotely track patient progress and fine tune treatment.



Genelek Technologies smart exoskeleton | Image source: GenElek Technologies)

AI powered wearable exoskeleton for mobility and rehabilitation support

Founders Profile

Founded in 2018 by John Kujur, with expertise in robotics, AI, and developing assistive technologies for the specially-abled individuals.

Early Stage

Funding Details
Not Available

Scale

- Plans to develop **advanced medical exoskeletons** that focus on deeper tracking, analysis, and reporting of patient recovery.
- Partnering with hospitals, rehabilitation centers, and NGOs to reach more people who have lost mobility, and active collaborations with Indian army.
- Aim for devloping similar equipment and services for rehabilitation and treatment of other motor and sensory functions of the body.

For further details, reach out to connect@kalpaimpact.com

Haqdarshak

AI-assisted platform for welfare scheme discovery and application.

GovTech

Impact

2.65 million citizens reached

across welfare, identity, financial inclusion, and livelihood programmes.

Helped citizens unlock

$2.2 Billion

in welfare benefits, improving household income security and social protection uptake

Built and maintains a live, multilingual database of

5,000+ welfare schemes across 14+ languages

26,563 field agents trained, generating **$0.6 Million** in direct earnings for last-mile workers, **69%** of whom are women

Problem

For an informal worker or small farmer, welfare access depends on a series of high-stakes decisions: *Which schemes apply to me? What documents prove my eligibility? Where do I apply, and how do I track outcomes?* In practice, these decisions are made with limited information.

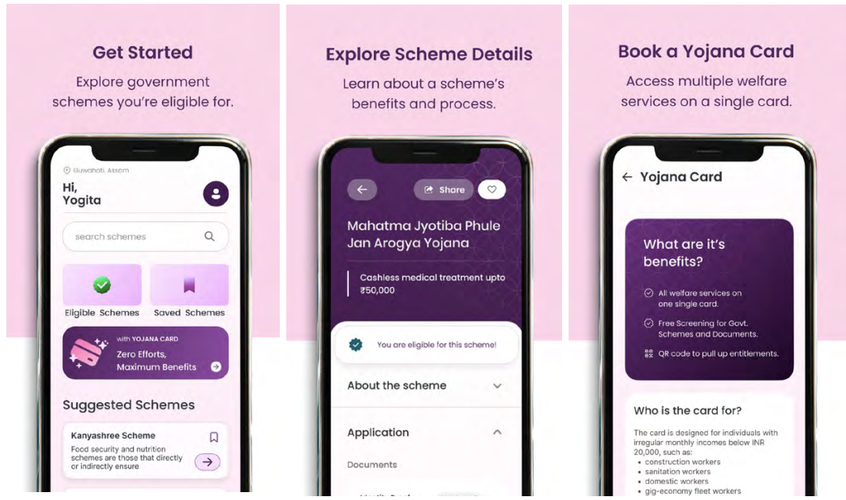
India has over **15,000 Central and State welfare schemes**, yet less than **one-third of informal workers** access any form of social security. Many eligible citizens miss out on benefits because information is hard to find, language support is limited, paperwork is incomplete, and applications are not properly followed up. Applications often get stuck due to small mistakes, missed e-KYC updates, or lack of grievance support, causing eligible people to be excluded despite the policy's intent.

Solution

Haqdarshak makes government welfare easier to understand and access. Instead of long lists of schemes, the app helps identify which benefits a person is **actually eligible for based on basic details like age, work, location, and income.**

Scheme rules and government updates are regularly added to the platform and made **available in 10+ Indian languages.** This helps reduce confusion caused by language barriers or outdated advice.

Access is provided through trained field workers using the Haqdarshak mobile app. They help citizens prepare documents, submit applications, and follow up on pending cases. The **Yojana Card** stores a citizen's welfare details and history, making it easier to check eligibility again when circumstances change and reducing the need to repeatedly share the same information.



Haqdarshak mobile application | Image source: PlayStore

Connecting eligible citizens to the right government benefits

Founders Profile

Haqdarshak was founded in **2015** by **Aniket Doegar** *(ex–Young Professionals Programme, Rockefeller Foundation)* has spent over a decade working in the development and social impact sector, focusing on social protection, livelihoods, and last-mile service delivery in India. He is a **Forbes 30 Under 30 Asia** honouree for his work on improving access to government welfare and building scalable, community-led systems for inclusion.

Early Stage

Raised $3.29M in funding

Scale

- Active across **23 states** and **5 Union Territories**, covering **517 districts, 1,684 talukas, and 7,721 villages**
- Partnered with **Mastercard** to scale the **Yojana Card**, positioning it as a combined social security and financial inclusion instrument
- Leverages **Self Help Group networks, State Rural Livelihood Missions, and local trade associations** to embed welfare access within existing communities

For further details, reach out to connect@kalpaimpact.com

Hunar AI

AI Voice based hiring technology for frontline workforce

HR Tech

Impact

Engaged with 10M+ frontline workers across India for hiring opportunities

Reduces hiring time by 90%

as compared to traditional job applications.

Partnered with India's largest e-commerce player

to engage with **250,000+ frontline workers** in just three days.

Problem

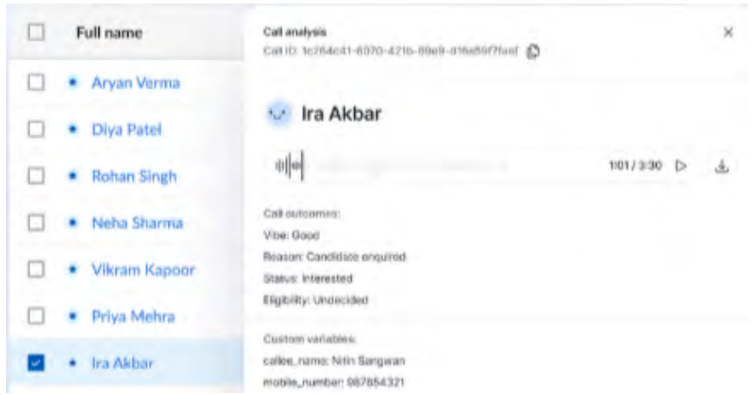
Across Indian cities, frontline and blue collar workers often struggle to find steady employment between jobs. Many have limited formal education, low English proficiency, and no resumes. Using job apps, filling online forms, or navigating digital portals feels intimidating, and each day without work means lost income. Without a clear and trusted way to search independently, workers rely on informal networks that are unreliable and slow.

This challenge **affects millions of workers across sectors such as logistics, retail, manufacturing, and services.** While jobs exist, most hiring systems are built around complex apps and written forms that assume digital literacy and English fluency. Workers often use basic phones or shared smartphones and face language barriers that make access difficult. The problem is not a lack of skill or willingness to work, but job search systems that are not designed for them.

Solution

Hunar AI makes job discovery and hiring accessible for frontline workers using **voice based AI through simple phone calls or WhatsApp.** Instead of filling forms or using job portals, **workers speak to an AI assistant in their own language to share job preferences,** location, and availability. The multilingual Voice AI supports Indian languages and mixed speech, allowing interaction through calls, voice notes, or simple messages, even on basic devices and low bandwidth networks.

The platform uses advanced LLMs including **LLaMA and OpenAI APIs**, with custom speech to text, language understanding, and intent extraction layers built for Indian accents, informal speech, and noisy environments. The AI agent conducts dynamic conversations, asks short and clear follow up questions, extracts structured data such as skills and availability, and automates screening, interview scheduling, and document verification. Beyond hiring, the system uses automated voice and messaging workflows for reminders, training prompts, engagement surveys, and ongoing worker support after joining.



Hunar AI : Detailed call reports | Image source : Hunar AI

AI voice first multilingual hiring technology for frontline workers

Founders Profile

Founded in 2022 by Krishna Khandelwal and Shantanu Bhattacharyya, with experience in building technology solutions and AI innovation.

Early Stage

Raised a total funding of $1.78M

Scale

- Steadily expanding its technical capabilities to facilitate employment in **more manpower-intensive industries** such as BFSI, consumer goods, and energy.
- Plans to expand into **career guidance**, helping workers understand growth paths and make better long term employment choices.

For further details, reach out to connect@kalpaimpact.com

HyperVerge

Identity verification embedding AI to make digital onboarding safe and fast

Fintech

Impact

Lower false rejections of genuine users,

reducing repeat submissions caused by poor image quality or manual inconsistencies and driving up to a **40% increase in customer conversion.**

Faster onboarding timelines,

compressing identity verification from days to minutes and enabling quicker access to credit, insurance, and digital services.

Problem

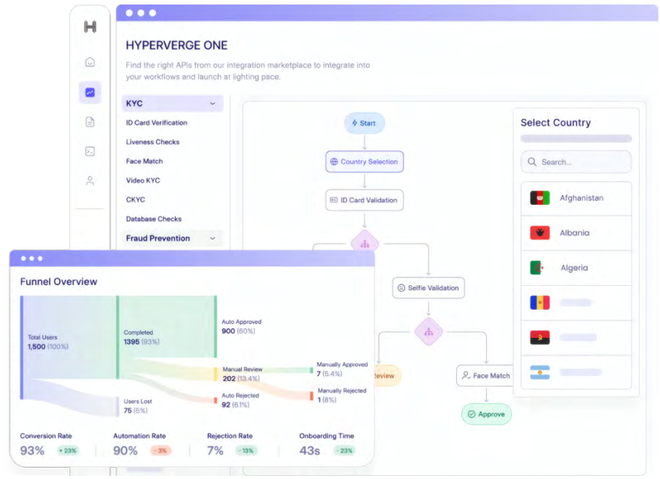
As digital onboarding scales, identity fraud has grown sharply in both volume and sophistication, with **financial fraud losses in India exceeding ₹30,000 crore annually with 1.1 Lakh cases reported**. Fake profiles, morphed selfies, altered documents, and reused identities now account for an estimated **25–30% of onboarding fraud attempts**, increasingly slipping through fragmented verification processes. With genuine users often caught in repeated verification loops, facing unexplained delays or rejections despite providing valid information.

This creates a dual failure. Fraud forces institutions to tighten checks, slowing approvals and increasing friction. Simultaneously, confusing onboarding experiences weaken public trust in formal financial systems. Over time, borrowers drop out mid-process, citizens hesitate to engage digitally, and access to legitimate financial services shrinks for those who need it most.

Solution

HyperVerge provides an **AI-driven digital onboarding platform** that verifies identities securely within seconds while reducing friction for genuine users. Using computer vision, OCR, and deep learning, the platform validates IDs, performs face matching and liveness checks, and detects document tampering even from low-quality uploads, lowering false negatives and unnecessary retries.

Built for regulated environments, HyperVerge supports compliance with **KYC and AML requirements**, including regulator-mandated workflows such as video KYC. The company operates strictly as a **technology provider**. All onboarding decisions remain with the regulated institution, with AI used only to assist verification. **Encrypted data handling, role-based access controls, audit trails, and ISO-aligned security practices** safeguard personal data and support institutional privacy and compliance obligations.



HyperVerge One platform | Image source: HyperVerge

Using AI to enable fast, compliant, and trusted identity verification

Founders Profile

HyperVerge was founded in **2014 by Kedar Kulkarni, Vignesh Krishnakumar, Kishore Natarajan, Praveen Kumar, and Saivenkatesh Ashokkumar**, whose early work in robotics and computer vision at IIT Madras shaped a shared motivation to build reliable, real-world AI systems. Their hands-on experience with autonomous vision and deep learning directly informed HyperVerge's focus on scalable, high-accuracy AI for identity, security, and access.

Early Stage

Raised a total funding of $1M

Scale

- Verification infrastructure deployed across **banks, NBFCs, fintechs, insurers, and digital platforms globally**. **1B+ identities verified for 450+ clients across 195+ countries**, supporting high-volume onboarding in diverse regulatory and connectivity conditions.
- Acts as a core trust layer for digital financial infrastructure across Asia, Africa, the Middle East, and North America.

For further details, reach out to connect@kalpaimpact.com

immunitoAI

Computational platform accelerating antibody discovery for cancer and infectious diseases

HealthTech

Impact

Antibody discovery timelines reduced from 4–5 years to ~11–12 months

accelerating the path from target identification to lab-validated candidates.

Substantial reduction in early-stage discovery cost and effort,

by narrowing millions of antibody possibilities to a small, high-confidence candidate set before wet-lab testing.

Generates biologically viable antibody sequences with 90-95% accuracy

yielding higher-quality preclinical candidates, improving downstream success and reducing late-stage attrition.

Problem

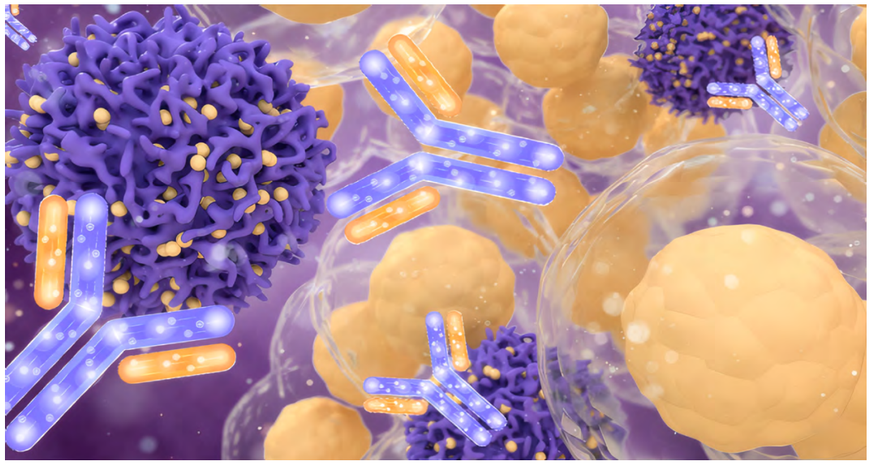
Meera, a cancer patient in Chennai, underwent months of treatment that weakened her immune system yet still left her vulnerable to relapse and infections. Targeted antibody therapies could have offered more precise treatment with fewer side effects, but such options were unavailable or prohibitively delayed when she needed them.

This gap stems from how antibody drugs are traditionally discovered. Conventional approaches rely on massive biological libraries and repeated lab screening, typically **taking 5–10 years and suffering from high early-stage failure rates.** For diseases such as cancer, tuberculosis, malaria and emerging infections, these delays slow innovation, raise costs and restrict timely patient access to safer therapies.

Solution

immunitoAI develops a **structure-first computational platform** that designs novel antibody sequences in silico before laboratory testing. Instead of screening millions of random biological samples, the platform generates a focused set of antibody candidates optimised for **binding affinity, stability and developability,** which are then experimentally validated by scientists.

The models operate at atomic resolution, analysing interactions between antibodies and target proteins to predict drug-like behaviour. AI functions strictly as a **decision-support layer** within regulated drug discovery workflows, while final selection, testing and development remain with human researchers. The platform operates **upstream in therapeutic R&D** and integrates into existing institutional pipelines under controlled research environments.



Y-shaped antibodies binding to cancer cell (in purple) and recruiting immune cells (in yellow). | Image Source Immunito ai

Using generative modelling to redesign antibody discovery

Founders Profile

ImmunitoAI was founded in 2020 by Dr. Aridni Shah and Trisha Chatterjee, combining deep biological research and applied AI to fix inefficiencies in antibody discovery. Aridni, a PhD from NCBS–TIFR, brings hands-on expertise in immunology and molecular biology, while Trisha adds AI/ML and computational R&D depth, together building AI-led antibody design grounded in biological validation.

Early Stage

Raised a total funding of $7.55M

Scale

- **Engaging with multiple pharmaceutical companies** to design AI-generated antibodies for specific disease targets, integrating ImmunitoAI into early-stage drug discovery workflows.
- **Licensing-focused expansion model,** where promising antibody candidates will be licensed to pharma partners for further development and clinical trials, enabling scalable collaboration without in-house clinical execution.

For further details, reach out to connect@kalpaimpact.com

Infiheal

AI companion making mental health support accessible, empathetic, and stigma-free

Wellness Tech

Impact

2M+ chats facilitated globally

offering judgement-free emotional and mental health support.

34,000+ monthly active users

driven by corporate wellness, B2B deployments, and government collaborations.

Real-time risk detection and escalation

reducing burden on human therapists for early-stage support.

Problem

Neha has been feeling persistently anxious and overwhelmed but hesitates to seek therapy due to cost, stigma, and long wait times. She looks for help online, yet finds little that feels private, trustworthy, or available in her language.

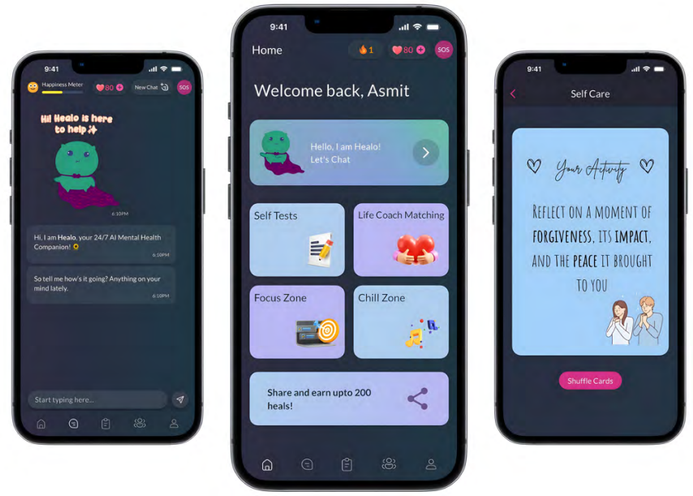
Many people experiencing stress, loneliness, or emotional distress lack timely access to mental health support. **Shortages of professionals, high costs, limited local-language options**, and fears around privacy and judgment prevent early help-seeking, **leaving individuals without safe and accessible pathways** to emotional support until conditions worsen.

Solution

Infiheal's **Healo** is a 24/7 AI-powered mental and sexual health companion designed to act as a **listener, coach, and bridge to human therapists when needed**. Available anytime, anywhere, Healo enables confidential conversations in **93 languages**, helping users express themselves comfortably and receive guidance instantly.

The system is powered by **native mental health language models** trained on diverse clinical and conversational datasets, enabling **emotionally aware dialogue**. Integrated risk-assessment identifies distress cues and escalates to human therapists when necessary. Using psychometric tools and evidence-based techniques, Healo provides personalised coping strategies and actionable steps while maintaining **strong privacy protections and encrypted data handling.**

By offering a safe, private space for users to talk openly, Healo lowers stigma, improves emotional clarity, and expands access to early support without fear or hesitation.



Infiheal in action | Image source: Infiheal

Using AI to expand safe, empathetic support

Founders Profile

Founded in **2023 by Srishti Srivastava and Utkarsh Srivastava**, **Infiheal** emerged from her lived experience navigating anxiety, combined with her prior work across **healthcare and wellbeing-focused roles**, shaping a clinically grounded, user-first approach to early mental health support.

Early Stage

Funding Details
Not Available

Scale

- **5 Lakh+ users in 150+ countries**, reflecting rapid global adoption of culturally aware, linguistically inclusive mental health support.
- Strong adoption via corporate wellness programs, educational partnerships, and public sector initiatives.
- National recognition including mention in **Prime Minister's Mann Ki Baat** for the role of AI in expanding mental health access.

For further details, reach out to connect@kalpaimpact.com

Innogle Technologies

Predictive intelligence for water resource management

Water Management

Impact

780+ customers served

across infrastructure, utilities, and institutional deployments, moving AI from pilots into live operational use.

1,150+ water-linked assets monitored and secured,

embedding predictive intelligence directly into pumps, tanks, pipelines, and water bodies rather than standalone dashboards.

Problem

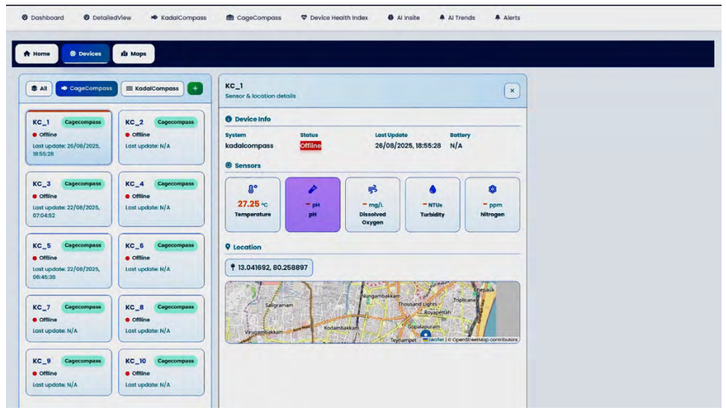
Raju, a small-scale fisherman along India's eastern coast, heads out before dawn relying on intuition and experience to decide where and when to fish. Sudden weather shifts, uncertain fish movement, and lack of timely information often mean returning with low catch or risking dangerous waters. A single wrong decision can cost him a day's income, damage his equipment, or put his life at risk.

At a system level, marine and water ecosystems remain largely data-rich but insight-poor. Critical information from satellites, ocean sensors, and environmental datasets is fragmented, underutilised, or inaccessible to end users like fishermen, port authorities, and coastal planners. Traditional monitoring systems are slow, siloed, and reactive, limiting their ability to support real-time decision-making for safety, sustainability, and resource management in increasingly volatile ocean environments.

Solution

AI & IoUT powered ocean intelligence and decision-support systems for safer, smarter marine operations.

Innogle develops AI-powered marine intelligence systems that combine machine learning, oceanographic data, satellite observations, and sensor inputs to support decision-making across fisheries, aquaculture, and coastal environments. Platforms such as KadalCompass generate predictive advisories for fishing using historical catch and sea-state data, while CAGE Compass applies AI-driven monitoring to manage environmental conditions and risks in cage-based aquaculture. Solutions like Swancee analyse multi-source marine and climate datasets to detect patterns and anomalies, and Rakshava enables coastal and maritime monitoring through continuous data ingestion and automated alerts. Together, these systems convert complex ocean data into actionable insights that enable safer operations, better planning, and more sustainable marine resource management for fisherfolk, coastal agencies, and researchers.



Innogle dashboard for oceanic parameters monitoring and prediction | ImageSource: Netflix Inspiring Innovators

Turning water networks into intelligent, predictive systems

Founders Profile

Innogle was co-founded in 2019 by **Shobana Uthayashankar and Kalaivani Rajendran**. Shobana, Founder and CEO, leads Innogle's deep-tech vision combining **AI, IoT, robotics, and ocean systems**, driven by a mission to improve maritime safety and fisher livelihoods; she is also recognised as an award-winning entrepreneur and an early deployer of 5G-enabled ocean solutions. Kalaivani, Co-Founder and Director, focuses on partnerships and strategic alliances, supporting Innogle's expansion across coastal security and digital ocean initiatives.

Early Stage

Funding Details
Not Available

Scale

- **Supported by national and state institutions** including NITI Aayog, the Ministry of Fisheries, Animal Husbandry and Dairying, the Government of Telangana, and Digital India, enabling public-sector deployment.
- **Backed by India's innovation and connectivity ecosystem,** with support from VOICE, TCOE India, TiE, and BSNL, enabling scale across coastal and institutional stakeholders.
- Recognised as an **award-winning ocean deep-tech innovator**, including Best 5G Use Case by the Department of Telecommunications and National Startup Awards recognition, signalling leadership in AI-driven marine solutions.

For further details, reach out to connect@kalpaimpact.com

Ishitva

AI-Driven Automated Waste Sorting for Efficient Recycling and Safer Waste Management

Waste Management

Impact

100,000+ tonnes of plastic waste sorted

across deployed facilities by FY 2024, improving recovery rates and reducing landfill dependence.

~100,000 tonnes of CO_2 emissions avoided

by preventing open burning and reducing reliance on virgin plastic production.

265,000 barrels of oil saved,

reflecting material recovery gains and lower environmental footprint of plastic supply chains.

Problem

Kamla Ben, a waste picker in Ahmedabad, has worked for decades sorting mixed garbage by hand in landfills and transfer stations. Her work exposes her daily to sharp objects, toxic fumes, and unsanitary conditions, resulting in repeated injuries and illness that directly threaten her livelihood. With no protective equipment or alternative employment pathways, even a single injury can push her household into deeper poverty.

This experience reflects a systemic breakdown. India generates **around 62 million tonnes of municipal solid waste annually**, yet only a small share is scientifically processed. Manual sorting remains the primary bottleneck, making recycling unsafe, inconsistent, and inefficient. Large volumes of recyclable plastic are burned or dumped, driving air, soil, and water pollution while wasting materials essential for a circular economy. The current system fails workers, municipalities, and the environment simultaneously

Solution

Ishitva replaces unsafe, manual waste sorting with **AI-enabled automated material recovery facilities (MRFs)** that improve both worker safety and recycling efficiency. Instead of incremental tools, Ishitva deploys **end-to-end automated systems** that control the full sorting process.

At the core is **NETRA**, Ishitva's machine-vision system. Installed above conveyor belts carrying mixed waste, NETRA uses computer vision models trained on millions of waste images to identify **80+ material categories** by polymer type, colour, and shape in real time. This ensures consistent and accurate identification beyond what manual sorting can achieve. Identified materials are separated using **SUKA air sorters and YUTA robotic arms**, which eject or pick items without human contact. This removes workers from direct exposure to hazardous waste. The system is coordinated through ishitvAI, a software platform that provides real-time visibility into throughput, material purity, and machine health via a central dashboard. A single line can process up to 6 tonnes of plastic per hour, compared to the slow, labour-intensive pace of manual sorting.

Automated material recovery facility (MRF) using Ishitva's AI-enabled waste sorting line | Image Source: Ishitva

AI-driven waste sorting to improve worker safety and recycling efficiency

Founders Profile

Ishitva Robotic Systems was founded in 2018 by Sandip Singh and Jitesh Dadlani. Prior to Ishitva, Jitesh built and led cross-disciplinary teams that delivered IoT and machine-learning products, including smart bins and secure cloud platforms for connected devices. Sandip on the other hand, co-founded Burgundy Box, demonstrating entrepreneurial capabilities within the food and beverage sector, earlier to which he was focused on early and growth stage equity investment opportunities in the environment space.

Early Stage

Raised a total funding of $1M

Scale

- **Four fully operational automated MRFs** deployed across India as of early 2023, serving municipal bodies and private recyclers.
- **Public–private partnership in Hyderabad** with Re Sustainability and Sharrp Ventures, supporting a facility designed to process 32,000 tonnes of plastic waste annually using Ishitva's systems.
- Recognised and supported by the **Marico Innovation Foundation Scale-Up Accelerator** and the NASSCOM Foundation Tech for Good Award.

For further details, reach out to connect@kalpaimpact.com

Jhana.ai

Paralegal assistance platform improving access to justice by integrating Ai

Justice Tech

Impact

Reduces legal research and drafting time from

3–4 hours to 30–45 minutes

delivering a **~75–80% efficiency gain** and enabling faster, more accessible legal workflows.

Lower legal costs for citizens and small businesses,

by reducing billable hours spent on routine research and drafting.

Expanded access through multilingual legal workflows,

enabling engagement in Hindi, Tamil, Telugu, Kannada and other Indian languages.

Problem

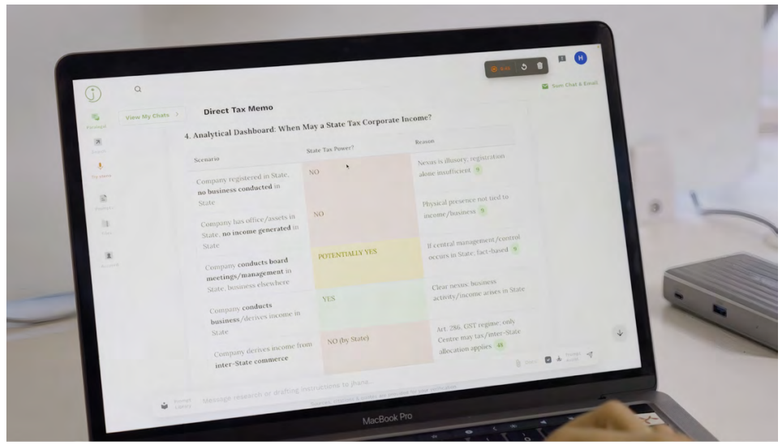
In Bengaluru, Ravi, a small business owner locked in a contract dispute, watched hearings get postponed not because facts were unclear, but because his lawyer needed weeks to research precedents, verify citations, and prepare filings. Each delay meant higher fees, lost workdays, and mounting uncertainty.

Across India, lawyers, judges, and court staff **spend hours on manual legal research, drafting, and file organisation** before cases even reach substantive hearings. Most legal tools remain keyword-based and fragmented, offering limited contextual understanding of Indian law. This **slows proceedings, raises costs, and contributes to litigation timelines that often stretch 5–10 years**, disproportionately affecting individuals and small businesses who cannot sustain prolonged legal battles.

Solution

Jhana.ai provides a **legal research and paralegal assistance platform** designed to support judges, registrars, and legal professionals in preparing cases faster and more reliably. At its core is a proprietary corpus of **15–16 million Indian judgments, statutes, acts, and annotated legal texts**, updated daily, enabling rapid access to relevant precedents and statutory context without manual searches.

Key capabilities include AI-assisted legal research and brief generation, intelligent document organisation and summarisation, context-aware legal search across both public law databases and user-uploaded case files, and **Steno by Jhana**, a legal dictation assistant trained on Indian accents and legal vocabulary.



AI Paralegal, Jhana Ai | Image Source Jhana

Using AI to accelerate legal research and case preparation

Founders Profile

Jhana.ai was **founded in 2022 by Hemanth Bharatha Chakravarthy and Em McGlone** classmates at Harvard University, driven by a shared goal to reduce the cost and complexity of legal services in India. Hemanth's experience across public policy and large-scale governance systems at the Government of India, RBI, and the Bill & Melinda Gates Foundation shaped the focus on Indian legal infrastructure, while Em brought strengths in computational research, machine learning, and legal systems, grounding Jhana's mission to democratise legal intelligence through AI.

Growth Stage

Raised a total funding of $1.6M

Scale

- Used by **10,000+ legal professionals, with 100,000+ AI paralegal sessions and 200,000+ legal searches** conducted to date.
- Adopted across **law firms, in-house legal teams, and the judiciary, with 150+ judges and registrars across 5+ courts using the platform**, offered free of cost to judicial officers.

For further details, reach out to connect@kalpaimpact.com

Jivi AI

Smartphone app for first point health screening and guidance

HealthTech

Impact

Serving 650,000+ users across 170+ countries, with over 1.2M app installs

Ability to diagnose over

10,000 medical conditions using patient symptoms

Supports 4+ multimodal medical reasoning,

processing text, voice, images, and medical data together in **less than 2 seconds.**

Problem

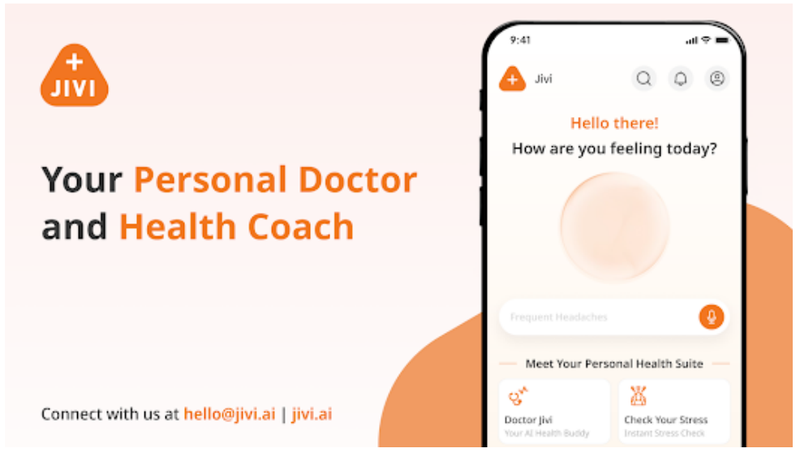
Many people frequently experience health symptoms and struggle to decide how serious they are. Online searches often return conflicting advice, extreme outcomes, and medical terms that are difficult to understand. With no clear guidance on whether a condition is urgent or can wait, many people delay seeking care, allowing manageable issues to worsen and require more intensive treatment later.

This challenge is compounded by limited access to doctors and long wait times, as India faces a persistent shortage of medical professionals. The country has **only about 0.7 doctors per 1,000 people,** far below the WHO benchmark of 2.5. As a result, doctors are overburdened and spend scarce consultation time on basic triage rather than complex care, leading to delayed diagnosis, overcrowded facilities, and inefficient use of medical resources.

Solution

Jivi AI is a free, easy to use, multilingual smartphone app that utilises AI models to help users assess health concerns through natural text or voice conversations. Users describe symptoms, and the app performs an initial medical screening to explain possible causes, urgency, and next steps, helping with early understanding of common and chronic conditions such as diabetes, migraine, and tuberculosis.

At the core is **Jivi MedX**, a proprietary medical large language model trained on extensive medical research, journals, and clinical data, and fine tuned with doctors to improve reliability and reduce hallucinations. The app also analyses real time signals, including **contactless heart rate measurement** using the phone's front camera, combined with interactive questioning to assess health risks. Voice based interaction through the AudioX model supports **14 Indic languages**, making medical guidance accessible to users with low digital literacy, while the app remains available free of charge worldwide.



Jivi AI app interface | Image source: Jivi AI

AI powered first point health screening application

Founders Profile

Founded in 2019 by Ankur Jain (Ex- BharatPe, Instalocate, Dulife.com) and Sanjay Reddy (Ex- Reddy Ventures, GVK, Aragen Life Sciences), bringing vast expertise in building consumer applications and healthcare solutions.

Early Stage

Raised a total funding of $2.99M

Scale

- **Partnered with Tata 1mg** so that users can seamlessly be directed to relevant telemedicine consultations and diagnostic tests when needed.
- Building multiple **specialised medical models,** each trained for specific domains such as diabetes management, ophthalmology and radiology.
- Long term plan to support the **top 25 percent of global languages.**

For further details, reach out to connect@kalpaimpact.com

Kibo by Trestle Labs

AI to make digital content accessible for persons with disabilities

EdTech

Impact

650+ institutions
have deployed Kibo across academia, public information settings, and accessibility partners.

100,000+ pages
converted into properly structured, assistive-technology-compatible formats, enabling independent access for users with disabilities.

Thousands of users supported,
including students, job seekers, and professionals with visual impairments, accessing learning materials, opportunities, and public services independently.

Conversion times for inaccessible documents reduced from hours or days to minutes,
eliminating manual remediation and reliance on external aides.

Problem

For Rohit, a visually impaired college student in Chennai, accessing everyday digital content is a constant challenge. Government notices arrive as scanned PDFs, textbooks are poorly formatted, and job applications require navigating complex forms. Screen readers often **fail to interpret layouts correctly, making tables unreadable and breaking reading order.** As a result, Rohit depends on others to read documents aloud or manually reformat files, limiting his independence and slowing his academic progress.

This experience is widespread. As education, employment, and public services move online, digital accessibility has not kept pace. **Large volumes of documents, especially scanned PDFs and legacy files, do not consider accessibility needs.** This reinforces exclusion for persons with disabilities who lack reliable access to usable and structured digital content.

Solution

Kibo is an AI-based accessibility solution from Trestle Labs that **enables persons with disabilities to independently access digital documents that were previously unreadable using standard assistive tools.** The system combines computer vision, **optical character recognition (OCR)**, and **natural language processing (NLP)** to understand document structure, including headings, reading order, tables, and contextual relationships, rather than extracting raw text alone.

Based on this structural understanding, Kibo converts documents into **properly formatted digital outputs with correct reading order, semantic headings, tables, and labels.** These outputs integrate seamlessly with existing assistive technologies such as screen readers, Braille displays, and keyboard-only navigation tools. This allows users with visual, motor, or low-vision disabilities to read, navigate, and interact with content independently.

User with Kibo app and illustrative of other solutions | Image source: hundrED

Making digital documents accessible for persons with disabilities

Founders Profile

Trestle Labs, founded in 2017, was established by Akshita Sachdeva, Bonny Dave, and Abhishek Baghel, a team whose backgrounds combine assistive technology research, human-centred design, and technology-led venture building. Akshita Sachdeva brings experience in computer science and accessibility innovation, including early work on assistive devices for persons with visual impairments. Bonny Dave contributes expertise in engineering and inclusive product design, with a focus on building systems usable by people with diverse physical and cognitive needs. Abhishek Baghel adds experience in strategy, operations, and scaling technology initiatives, supporting the translation of accessibility research into deployable platforms.

Early Stage

Raised a total funding of $72K

Scale

- Deployed through partnerships with **higher-education institutions** such as **IIM Ahmedabad and IIT Madras**, as well as libraries and disability-focused organisations.
- Operates as an **AI-powered accessibility layer** over existing digital systems, enabling institutions to address disability inclusion systematically across content types and departments.
- Reaches academic, professional, and public-information settings without requiring manual document recreation.
- Designed to scale across education, public communication, legal and administrative workflows, and workplace operations in alignment with national disability inclusion goals and digital accessibility requirements.

For further details, reach out to connect@kalpaimpact.com

Kidaura Innovations

Early screening and developmental support for children

HealthTech

Impact

1,300+ children screened

in pre-school settings using ScreenPlay, demonstrating feasibility of early screening outside clinical environments.

27 children identified

with autism and related developmental conditions, enabling referral for further clinical evaluation and support.

87.5% sensitivity

achieved in a multi-phase clinical validation study during the blinded phase, indicating strong accuracy in identifying children at potential developmental risk.

Problem

Early childhood is a critical period for cognitive, social, and emotional development, yet neurodevelopmental conditions such as autism spectrum disorders (ASDs) are often detected late. **Once considered rare, ASDs are now estimated to affect around 1 in 65 Indian children between the ages of two and nine**, indicating a far wider prevalence than previously understood. Delayed identification means many children miss the narrow window where early intervention can have the greatest impact.

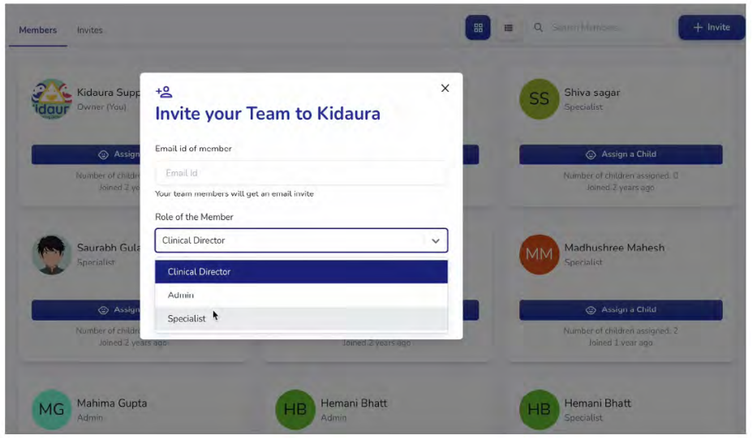
Despite this scale, early screening still relies largely on clinician-led observation and standardised assessments that require trained specialists, multiple visits, and language-dependent tools. In practice, limited specialist availability and the effort required for formal assessments restrict coverage—particularly in pre-schools and community settings. As a result, many children at risk are identified only after developmental delays become more pronounced, underscoring the need for scalable, low-friction screening approaches that can operate outside specialised clinical environments.

Solution

Kidaura's flagship product, **ScreenPlay,** is a game-based digital screening tool that uses AI and behavioural analytics to identify children at potential risk for autism and developmental disorders.

ScreenPlay presents a series of **interactive, tablet-based games** that children aged 3–6 play in familiar environments such as schools or community centres. As the child engages with game mechanics—colours, shapes, attention tasks—**machine-learning models analyse patterns of interaction,** capturing subtle behavioural signals that may correlate with developmental risk.

Rather than requiring specialist administration, ScreenPlay's design enables **non-expert facilitators (teachers, caregivers)** to conduct screenings that produce consistent, structured outputs. AI models extract and analyse response patterns, enabling prioritisation of cases that warrant further clinical evaluation and supporting earlier intervention pathways.



Kidaura Platform - Team Collaboration | Image source: Kidaura

Game-based AI screening for early developmental risk

Founders Profile

Kidaura Innovations is based in Nashik, founded in 2019 by Paras Sharma and Shiv Kumar, combining experience in product building, applied AI, and child-focused programme design, with backgrounds spanning technology startups and early-stage ventures. This mix informs Kidaura's emphasis on creating screening tools that are scientifically grounded, easy to deploy in schools, and scalable beyond specialist clinical settings.

Early Stage

Funding Details
Not Available

Scale

- Deployed across **multiple pre-schools,** enabling screening in everyday learning environments rather than specialist clinics.
- Validated through a **multi-phase clinical study,** supporting readiness for broader adoption across education and primary health settings.
- Designed for children **aged 3–6 years,** covering a critical early-development window where timely intervention has the highest impact.

For further details, reach out to connect@kalpaimpact.com

KissanAI

Voice-enabled AI copilot empowering farmers with real-time local-language guidance

AgriTech

Impact

100,000+ farmers reached across India,
driven largely by community adoption and word of mouth.

Daily, voice-first agricultural guidance in 9+ Indian languages,
reducing dependence on informal or unsafe advice.

Higher confidence and reduced trial-and-error,
especially among women and older farmers preferring conversational interfaces.

Problem

Raghav, a smallholder farmer, needs to decide how much fertiliser to apply after an unusual spell of rain. Online advice is scattered, mostly in English, and hard to verify, so he falls back on guesswork.

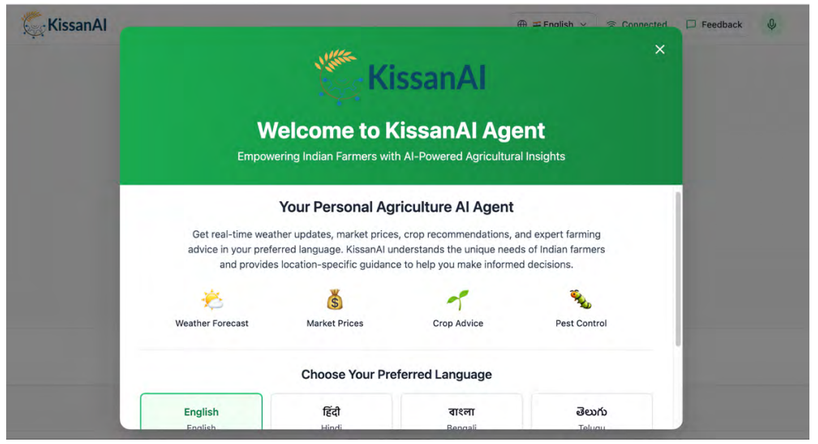
Farmers face daily uncertainty in decisions on fertiliser use, pest control, irrigation, and crop planning. **Advisory information is fragmented, not locally tailored, and often unavailable in regional languages**, making it difficult to trust or apply. This forces farmers to rely on informal sources, leading to inefficiencies, avoidable crop losses, and missed income opportunities.

Solution

KissanAI provides a **voice-first AI copilot** and text-based assistant, KissanGPT, delivering context-aware agricultural guidance through mobile and web applications. Farmers interact naturally by voice or text and receive **clear, step-by-step instructions** they can act on immediately.

At the core is **Dhenu 1.0**, an agriculture-focused large language model trained on extension manuals, crop calendars, and region-specific datasets, ensuring guidance is **accurate, safe, and tailored to Indian farming conditions.** The platform is optimised for low-bandwidth environments, addressing connectivity constraints common in rural areas.

By removing literacy barriers and consolidating scattered information into a single trusted interface, KissanAI enables farmers to verify practices, diagnose crop issues, and explore value-added opportunities with confidence.



Kissan AI agent | Image source: KissanAI

Using AI to make agricultural advisory conversational and local

Founders Profile

Founded in 2023, **KissanAI** was started by **Chintan P, Lokesh Desai, and Pratik Desai,** all former founders of Titodi, bringing prior experience in building agri-focused platforms. Pratik, born and raised in a farming family and trained in AI at the PhD level, grounds the company's technology in real farmer needs, while the team combines grassroots agricultural context with strong technical execution.

Early Stage

Funding Details
Not Available

Scale

- Active adoption across **six Indian states,** including Chhattisgarh, Maharashtra, Karnataka, Kerala, Madhya Pradesh, and Jharkhand. With strong community -driven growth through farmer groups, audio rooms, and peer sharing.
- Ongoing expansion of language coverage and region-specific datasets as Dhenu 1.0 evolves.

For further details, reach out to connect@kalpaimpact.com

L2M Rail

Continuous inspection technology for Railway assets

Urban Mobility

Impact

33,000+ trains examined and 84,000+ defects,

identified using MVIS, averting at least one rail mishap every week

Monitored 1.4 lakh+ train journeys

using the flat wheel detection system

73 trains

stopped and repaired in time through timely alerts

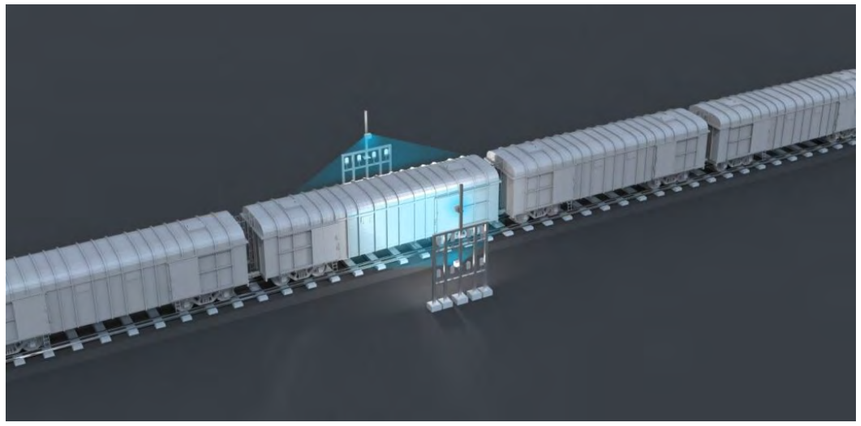
Problem

Across India's rail network, maintenance workers are responsible for manually inspecting long stretches of track to spot cracks, defects, or abnormal wear. These checks are done under tight timelines with limited tools, and if a fault develops between inspections, there is no continuous warning system. This challenge is widespread across Indian Railways, one of the largest and busiest rail systems in the world. **Defects such as rail fractures, flat wheels, uneven loading, or hidden damage** can develop between checks and go undetected. When issues are discovered, trains are halted through emergency line blocks, causing large scale delays, disrupting passenger travel and freight movement, and imposing heavy economic costs.

Solution

L2M Rail uses AI to enable continuous inspection of railway assets instead of periodic manual checks, turning tracks, wagons, wheels, and yards into monitored zones that detect problems in real time. At the core is **MVIS Automatic Train Examination**, which uses machine vision and machine learning to capture high quality images of moving trains and inspect rolling stock for defects such as damaged wheels, broken springs, hanging parts, open doors, and bent brake beams using the **YOLO algorithm**, even at high speeds.

For wheel and wagon health monitoring, L2M Rail combines **AI with advanced fiber optic technology.** Fiber optic sensors embedded in the track read wheel vibration and load patterns as trains pass, and AI algorithms analyse these signatures to **detect flat wheels, cracks, abnormal stress, and uneven loading in real time.** Data is processed on site for speed, securely stored in the cloud, and presented through a user friendly interface with automatic alerts, enabling railway authorities to plan maintenance early and prevent serious failures.



MVIS Automatic Train Examination technology | Image source: The Interview World

Vision and sensing systems for continuous inspection of railway assets

Founders Profile

Founded in 2016 by G.S. Rao (ex-IRSSE and serial entrepreneur) and Prof. S.K. Sinha (academician and technology expert) with a vision to make Indian Railways accident-free through their combined expertise.

Early Stage

Raised a total funding of $423K

Scale

- Jointly innovated with **Indian Railways (DFCCIL), and Indian Institute of Science (IISC)**, and deployed across **multiple Indian major railway divisions.**
- In advanced negotiations to deploy its systems **across five international rail networks.**

For further details, reach out to connect@kalpaimpact.com

Languify

AI to make language skills measurable, fair, and job-relevant

EdTech

Impact

Used by 300+ institutions and enterprises

across education, skilling, and hiring contexts.

500,000+ language assessments

conducted for students, job seekers, and professionals.

Assessment turnaround reduced

from days to minutes through automated AI scoring.

Improved fairness by standardising evaluation

and reducing dependence on subjective interviews.

Problem

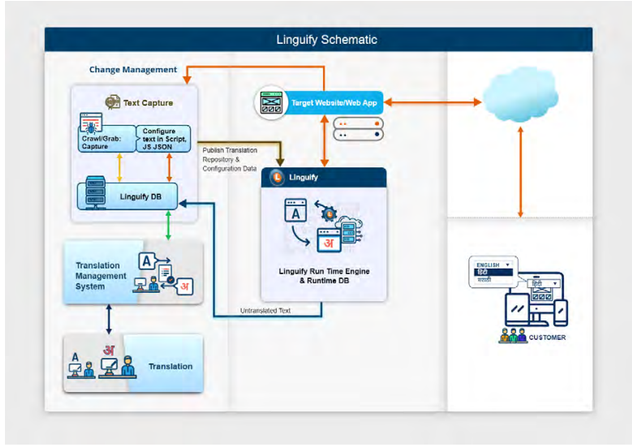
For Ayesha, a final-year student from a Tier II city, language proficiency was the biggest barrier to employment. While she could communicate reasonably well, she struggled to demonstrate her skills in interviews. **Traditional language tests were expensive, academic, and required going to physical test centres.** Employers, meanwhile, relied on resumes or subjective interviews, often overlooking capable candidates who lacked formal credentials but had usable language skills.

Millions of learners and job seekers in India lack access to affordable, standardised, and practical language assessments, while employers struggle to evaluate communication skills consistently at scale. Language remains a gatekeeper to education, jobs, and upward mobility.

Solution

Languify is an **AI-powered language assessment platform** that evaluates how people actually communicate, rather than relying on academic, multiple-choice tests. Candidates complete short **speaking, listening, reading, and writing tasks,** such as reading aloud, responding to prompts, and answering comprehension questions.

The platform uses **speech recognition and natural language processing (NLP)** to analyse pronunciation, fluency, vocabulary use, grammatical accuracy, coherence, and comprehension. These signals are combined into **standardised proficiency scores**, mapped to recognised benchmarks, enabling consistent evaluation across large candidate pools. Assessments are multilingual, job-relevant, and delivered remotely. AI functions strictly as **decision-support**, with all admissions and hiring decisions remaining with human institutions.



Languify's AI-based language assessment workflow, showing automated evaluation of speaking and language tasks | Image Source: Linguify

AI-powered language assessment that measures real communication skills for fairer hiring and admissions.

Founders Profile

Languify, founded in 2021, was established by Lokap Sahu, Mohak Sahu, and Shivam Sahu, with the objective of making language proficiency measurable, fair, and job-relevant. Drawing on experience in technology product development and assessment design, the founding team built Languify to apply AI-based speech and language analysis to education, skilling, and hiring workflows, addressing gaps in traditional language testing and subjective evaluation.

Early Stage

Raised a total funding of $350K

Scale

- Built for **high-volume, remote language assessments** across education, skilling, and hiring workflows.
- Supports **thousands of concurrent assessments** without physical test centres or manual evaluators.
- Deployed across **300+ institutions**, including universities, skilling programmes, and employers.
- Suitable for **nationwide skilling** and distributed hiring programmes, particularly for first-time job seekers in Tier II and Tier III cities.

For further details, reach out to connect@kalpaimpact.com

Lightmetrics

Powering fleet safety through AI dashcam technology

Urban Mobility

Impact

Up to 70% reduction in distracted driving and 50% reduction in speeding

Inspection time reduced from weeks to hours, and inspection cost reduced

and over 1,30,000 vehicles globally equipped with LightMetrics systems.

Partnered with four of the 10 largest Telematics Service Providers (TSPs)

Problem

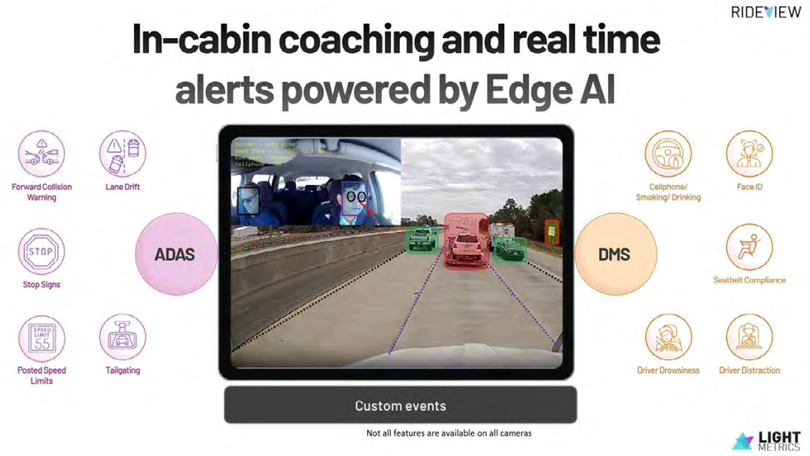
Across Indian cities and highways, daily commuters face growing road safety risks from unpredictable driving behaviour. Sudden braking, unsafe lane changes, distraction, and driver fatigue often go unnoticed until accidents occur. These risks are higher around **large fleet vehicles such as trucks, buses, and delivery vans,** which operate for long hours, cover high mileage, and move through dense traffic. When incidents occur, there is little clarity on what went wrong, making it hard to learn from near misses or prevent repeats.

Despite rising accident rates, most vehicles on Indian roads lack systems that continuously understand driving behaviour and road conditions. This gap is most visible in fleet vehicles, where monitoring still focuses on basic data like speed rather than behaviour. Existing systems offer no insight into distraction, drowsiness, tailgating, or near collisions. Thus risks are identified only after accidents, limiting proactive safety interventions and slowing efforts to make daily commuting safer.

Solution

LightMetrics' dashcam technology **RideView** uses computer vision and edge AI to turn standard dash cams into intelligent safety systems that analyse road facing and in cabin video in real time. Deep learning models running directly on the camera detect risky behaviour such as distraction, phone usage, tailgating, lane drifting, rolling stops, drowsiness, and near collisions, providing instant in-cabin alerts and coaching to improve driver safety.

The system automatically generates event videos and incident reconstructions by combining video with **speed, braking, and GPS data.** By processing video on device, **RideView reduces data costs by uploading only short, relevant clips**, while proprietary AI based compression extends video storage from about 10 days to nearly 25 days on a 128 GB camera, improving safety oversight without increasing hardware or data expenses. Together, these capabilities help fleet operators and mobility companies reduce accidents, improve driver behaviour and build safer transportation systems.



Road monitoring using smartphone camera | Image source: Rasta AI

AI technology transforming vehicle dash cams into safety devices

Founders Profile

Founded in 2015 by Soumik Ukil and his co-founders (ex-Nokia), with expertise in computer vision and signal processing that shaped this technology

Early Stage

Raised a total funding of $10.7M

Scale

- Deployed in **130,000+ commercial vehicles** across India, the US, Canada, Mexico, Brazil, Australia, Middle East, and South Africa.
- Partnerships with leading **telematics service provider companies** globally
- Plans to expand technology to **other accident prone industries** like mining, hazardous goods, cold chain logistics, and employee transport.

For further details, reach out to connect@kalpaimpact.com

Maap AI

AI enabled smartphone app for detecting child malnutrition

HealthTech - Public Systems

Impact

Screened over 200,000 children

to track their growth.

Empowers ASHA and Anganwadi workers

and supports **POSHAN Abhiyaan incentive guidelines,** helping them earn incentives

Recognised globally as the

winner of the AI for Good Innovation Factory

Problem

Across anganwadi centres in India, frontline workers are required to regularly measure children's height and weight to monitor growth, and identify early signs of undernutrition and growth faltering. In practice, children are restless, equipment is often unreliable, and centres are overcrowded. Under time pressure, measurements are sometimes estimated rather than accurately recorded, delaying timely nutrition support during the most critical years of development.

Although monthly growth monitoring is mandatory, accurate screening remains difficult on the ground. Malnutrition contributes to **3.1 million under five child deaths globally each year, and India accounts for nearly one third of the world's undernutrition burden**. Alongside this, Anganwadi and ASHA workers are also overstretched, managing childcare, nutrition counselling, health monitoring, record keeping, and multiple government duties.

Solution

MAAP AI, by startup RevolutionAIze, eases child height tracking by allowing **accurate measurement from a single photograph** captured through a smartphone app. Instead of manual wall markings or visual estimation, it uses **AI driven anthropometry** to precisely measure height from the image. Powered by two proprietary ML algorithms, MAAP maps these measurements against WHO growth standards customised for the Indian population and generates an interactive Z score tracker to identify normal growth or early growth faltering.

MAAP AI works on basic smartphones, requires minimal data input, and does not rely on specialised equipment or medical expertise. The app **flags early risks** such as undernutrition, anaemia, micronutrient deficiency, and obesity, and correlates height based growth data with diet information to recommend personalised nutrition plans. All records are geo tagged, secure, and tamper proof, enabling fast and reliable growth assessment while reducing the burden on frontline health workers.

Height measurement using Maap AI app | Image source : Maap AI

AI Smartphone app for growth monitoring and early detection of malnutrition among children in India

Founders Profile

Founded in 2022 by Romita Ghosh and Nilashis Roy, with background and deep expertise in AI-driven healthcare innovation, child nutrition challenges, AI governance and medical devices.

Early Stage

Funding Details
Not Available

Scale

- Aligned with national initiatives such as **Poshan 2.0, Suposhit Bharat, and maternal and child health programs.**
- Aims to scale from **200,000 children today to 100 million children by 2030.**
- Plans to expand outside India into **Africa and other parts of Asia.**

For further details, reach out to connect@kalpaimpact.com

Mynzo Carbon

AI-enabled climate tech platform for carbon emission tracking and Net Zero action

Climate Tech

Impact

Achieves 98.5% AI accuracy

in forest health and biomass assessment by combining multi-spectral satellite imagery with machine-learning models trained on millions of forest images.

Monitors 1.2M+ trees year-round

using real-time data from **30+ satellites**, enabling continuous detection of deforestation, degradation, and new growth across seasons.

±3.5% measurement precision

having already tracked **847.2 tCO_2 sequestered**, supporting credible carbon accounting and climate reporting.

Problem

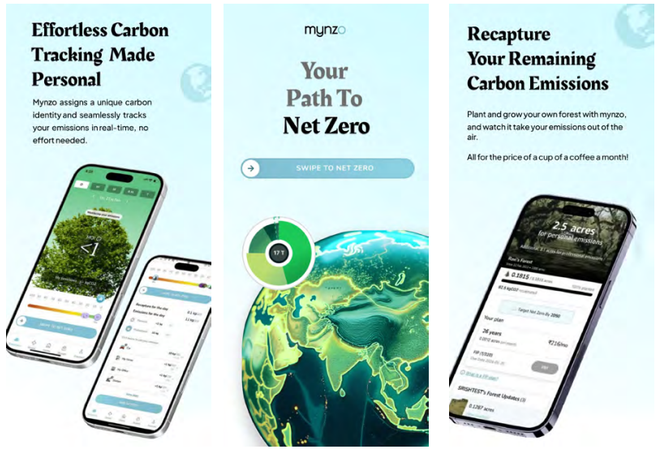
Ramesh, a forest range officer in central India, is responsible for monitoring thousands of hectares of forest with limited staff and infrequent surveys. Globally, forests span **4+ billion hectares,** yet much of forest monitoring remains manual or low-frequency, while deforestation contributes **10–15% of global emissions.** Carbon stock estimates can vary by **20–30%** using traditional methods, meaning degradation is often detected late and climate impact remains poorly measured.

At a system level, forest management and carbon accounting are constrained by fragmented data, delayed insights, and methods that cannot track change continuously across seasons. Manual surveys do not scale, conventional satellite analysis lacks precision, and inconsistent measurements undermine conservation planning, carbon credit verification, and climate finance.

Solution

Mynzo Carbon delivers a forest intelligence platform that uses **satellite remote sensing and AI models** to convert earth-observation data into actionable insights on forest health, biomass, and carbon sequestration. By analysing **multi-spectral satellite signals**, the system tracks vegetation stress, land-use change, and growth patterns, with satellite observations linked to field inputs for validation and traceability.

The platform supports **enterprises, governments, and conservation organisations** by enabling large-scale forest monitoring, carbon accounting, and verification-ready assessments through a single system. By combining AI analytics with continuous satellite intelligence, Mynzo Carbon shifts forest and carbon management from periodic measurement to **ongoing, decision-grade monitoring.**



Mynzo Carbon App | Image Source: Google Playstore

Building foundational AI model that can interpret human biosignals for early diagnosis of neurological disorders

Founders Profile

Mynzo Carbon was co-founded (2022) by Tanya Singhal and James Varghese Abraham, bringing deep, complementary experience across renewable energy and climate strategy. Tanya brings over 15 years in climate and solar, including founding and scaling SolarArise across multiple states, while James contributes senior leadership experience from energy ventures and active engagement in global climate forums, grounding Mynzo in both execution and policy-led sustainability.

Early Stage

Raised a total funding of $1.5M

Scale

- Architected to support monitoring at **planetary scale**, with systems designed to track **up to 5 billion trees** across national, enterprise, and conservation programs.
- Operates on a **global satellite intelligence layer ingesting data from 30+ satellites daily**, enabling large-scale, multi-region forest oversight.
- Built for **multi-stakeholder deployment at scale**, supporting governments, enterprises, and project developers through a single platform capable of managing **millions of forest assets across portfolios and geographies.**

For further details, reach out to connect@kalpaimpact.com

NatureDots

Biodiversity and ecosystem intelligence for water landscapes

Climate Tech

Impact

8 billion+ environmental data points collected,

enabling high-resolution analysis of ecological change across diverse water and land systems.

125,000+ hectares of waterscapes covered,

spanning lakes, rivers, reservoirs, and coastal–marine ecosystems.

Problem

In India, biodiversity loss, water stress, and climate risk converge most sharply in lakes, rivers, wetlands, and coastal systems. These ecosystems support water supply, food production, and livelihoods for millions, yet remain poorly monitored. Environmental management still depends on **fragmented surveys and siloed data,** which fail to capture rapid ecological change driven by pollution, development pressure, and shifting monsoon patterns.

As a result, governments, utilities, and restoration practitioners operate with limited visibility into ecosystem health and long-term trends. Decisions on **water use, aquaculture, restoration, and climate adaptation** are often made without timely or comparable data, creating a dual risk: ecological degradation goes unnoticed, while conservation efforts struggle to measure impact or attract sustained funding.

Solution

NatureDots delivers **ecosystem intelligence through its Twinsfera platform** by combining satellite imagery, geospatial data, historical environmental records, and on-ground inputs. AI models analyse this data to track changes in water quality, habitat health, and ecological stress over time.

Rather than abstract simulation, the system learns **normal ecosystem behaviour and flags deviations** such as nutrient loading, sedimentation, or algal bloom risk. It also forecasts how these risks may change with weather, usage, or interventions, enabling early warning and scenario planning.

Twinsfera converts complex environmental data into **practical outputs—health indices, risk alerts, and trend insights**—used by water utilities, city agencies, aquaculture operators, and restoration programmes. This shifts ecosystem management from periodic surveys to continuous, predictive monitoring, making biodiversity and water resilience easier to manage at scale.

Visualisation of Twinverse | Image source: Nature Dots

AI-driven digital twins for water and ecosystem intelligence

Founders Profile

NatureDots was founded in 2019 in Delhi by Snehal Verma and Mohammad Aatish Khan. The founders combine experience in environmental systems, water management, and geospatial analytics, aligning closely with NatureDots' focus on AI-driven digital twins for ecosystem monitoring and resilience.

Early Stage

Funding Details
Not Available

Scale

- **15+ enterprise customers globally,** spanning water utilities, restoration programmes, city water management agencies, and aquaculture growers.
- AquaNurch Digital Twin suite deployed and field-validated, with active pilots and commercial rollouts across **India, the United States, and Asia-Pacific.**
- **9,000+ ground-truthing nodes** integrated, enabling consistent validation across geographies and ecosystem types.

For further details, reach out to connect@kalpaimpact.com

NAYAN Video AI

Using computer vision to improve road safety and urban monitoring

Urban Mobility

Impact

7,000+ drivers

including public transport and service vehicle operators actively use NAYAN's system for real-time detection of unsafe driving behaviour and traffic violations.

Deployed across 35+ Indian cities,

including Pune, Mumbai, Bengaluru, Hyderabad, and Ahmedabad, in partnership with municipal bodies, traffic police, and fleet operators.

Reports an order pipeline of approximately ₹35 crore,

reflecting growing institutional demand from city governments and transport agencies.

Problem

For Ravi, a city bus driver, navigating congested urban roads involves constant risk. Aggressive driving, signal violations, and poorly marked intersections create frequent near-misses. When incidents occur, investigations rely largely on post-incident CCTV footage or eyewitness accounts, offering little ability to prevent unsafe behaviour before harm occurs.

At a systemic level, traffic monitoring in Indian cities depends heavily on **manual checks, static cameras, and after-the-fact review.** Dangerous behaviours such as overspeeding, wrong-way driving, signal jumping, and harsh braking are rarely detected in real time. As traffic volumes rise, authorities struggle to monitor roads continuously, limiting timely enforcement, early intervention, and evidence-based infrastructure planning.

Solution

NAYAN uses **computer vision and video AI** to analyse live video feeds from **roadside CCTV cameras and vehicle-mounted cameras** on buses and service vehicles. Instead of passively recording footage, the system interprets video streams in real time to detect **traffic violations, risky driving behaviour, and road or infrastructure anomalies** that increase accident risk.

Video feeds are processed using a combination of **edge and cloud AI,** enabling deployment even with uneven connectivity. Detected events are converted into **time-stamped alerts and dashboards** for traffic control rooms, fleet operators, and enforcement teams. Deployments operate under formal agreements with public agencies, with **human-in-the-loop oversight, compliance with applicable CMVR provisions,** and data governance aligned with **India's Digital Personal Data Protection Act, 2023.**

Real-time video analytics detecting traffic violations and risky driving behaviour using NAYAN's AI system | Image Source: Nayan AI

Real-time video AI for proactive road safety monitoring

Founders Profile

NAYAN Video AI was **founded by Jayant Ratti**, who brings experience in **robotics, computer vision, and applied AI systems** focused on real-world urban safety and mobility use cases. Under his leadership, the company develops AI-powered video analytics solutions deployed with municipal bodies, traffic authorities, and fleet operators across Indian cities.

Early Stage

Raised a total funding of $4.13M

Scale

- Operates primarily through **municipal bodies, traffic police departments, and state transport undertakings**, rather than as a consumer-facing product.
- Active deployments and pilots span **multiple Indian cities,** with concentration in **western and southern India, including Maharashtra and Karnataka.**
- Designed to scale across **urban and peri-urban road networks, public bus fleets, and existing CCTV infrastructure** without large hardware replacement.
- Functions as a **software layer over existing video assets,** enabling cities to expand coverage incrementally as part of long-term road safety and smart mobility initiatives.

For further details, reach out to connect@kalpaimpact.com

Neoperk Technologies

AI-powered soil testing technology for farmers

AgriTech

Impact

Used by farmers in

30+ districts in Maharashtra, Uttar Pradesh, Gujarat, Karnataka, and Telangana

Used for soil testing of

10,000+ samples across 20,000+ acres of farm area

~90% reduction in soil testing costs, and ~95% reduction in testing time

compared to traditional testing methods.

Problem

Across rural India, farmers spend a significant share of their income on fertilisers without knowing what their soil actually needs. Soil testing labs are **far away, expensive, and slow,** with reports arriving weeks later, often after crop decisions are already made. As a result, farmers rely on guesswork, local advice, or past practices when deciding how much and what type of fertilizer to use.

This lack of timely and reliable soil information affects millions of small and marginal farmers. **Government guidelines** recommend testing irrigated land once a year and dryland farms once every three years. However, traditional lab based soil tests are impractical for regular use, making precise nutrient management difficult. Fertilisers are frequently overused or applied incorrectly, increasing input costs, lowering yields, and gradually degrading soil health. Over time, this weakens farm incomes and reduces the long term sustainability of agriculture.

Solution

Neoperk Technologies offers an affordable and rapid, chemical free soil testing solution built for real farm conditions. Its **Soil Spectral Device** uses near **infrared spectroscopy combined with Machine Learning to analyse key soil nutrients such as Nitrogen, Phosphorus, and Potassium.** Instead of waiting days or weeks for lab reports, farmers and field teams **receive results within minutes**, making soil testing practical during the crop planning stage.

The device is **compact, field ready, and Bluetooth enabled.** It works with **Neoperk's Operator App**, which guides trained field staff through a standardised soil collection process. Samples collected from farms are taken to Local Testing Units, where they are scanned using the spectral device. The captured data is then interpreted by ML models that convert spectral readings into clear nutrient insights. Based on the test results, the platform generates **crop specific and soil specific nutrient recommendations.** These insights help farmers apply the right fertilisers in the right quantity, instead of relying on guesswork or blanket application.

Soil Testing Device | Image source: Neoperk Technologies

AI powered device for affordable, quick and chemical-free soil testing

Founders Profile

Founded in 2019 by Satyendra Gupta and co-founders to solve the problem of inaccessible soil testing for India's farmers. Satyendra has a background in Electronics Engineering and Robotics, and his initial prototype won the India Innovation Challenge Design Contest (IICDC) 2018 hardware competition and got backing from IITB and IIMB.

Early Stage

Raised a total funding of $24K

Scale

- Expanding to more states across India including Bihar and Andhra Pradesh, and neighbouring countries including **Sri Lanka.**
- Aligned with **India's Soil Health Card Scheme,** and has partnered with emerging AgriTech startups including **Dehaat, Salam Kisan and Arya.ag.**

For further details, reach out to connect@kalpaimpact.com

NeuroDx

Foundation AI model to understand brain activity and detect neurological disorders

HealthTech

Impact

Developing 20B parameter foundation model

for EEG signal analysis to aid in early neurological disorder screening and brain-computer interfaces.

Helps flag high risk cases early

and prioritize patients who need specialist attention, especially in rural and semi urban clinics, where access to neurologists is limited.

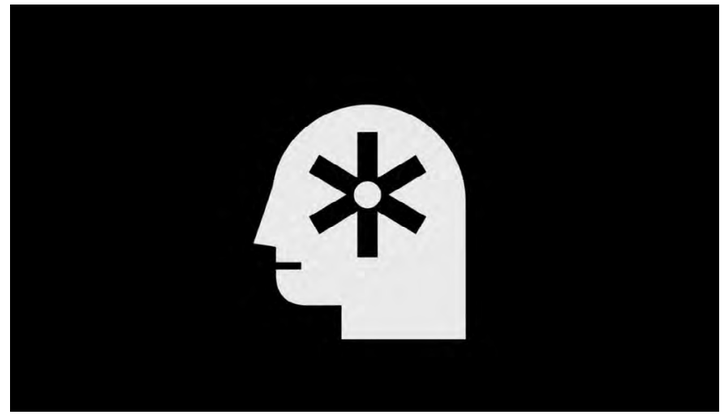
Problem

Neurological disorders such as epilepsy, Alzheimer's, and other brain related conditions are often detected late, especially in countries like India. Early diagnosis depends heavily on EEG tests, which record brain activity, but interpreting these signals is complex and requires highly trained specialists. EEG tests are affordable and non-invasive, but their usefulness has been limited because interpreting the signals requires deep expertise. Many hospitals and clinics, particularly in smaller cities and rural areas, do not have access to such expertise, leading to delayed diagnosis, misinterpretation, or no diagnosis at all. Doctors rely on **manual analysis, which is time consuming, subjective, and difficult to scale.** At the same time, advanced neuroscience research and brain computer interfaces remain expensive and confined to well funded labs. High costs, lack of standardized tools, and limited access to advanced AI models prevent wider adoption in clinical settings.

Solution

NeuroDX, under Intellihealth, is building a **foundation scale AI model** that can natively interpret multiple human biosignals to understand brain activity from EEG, while also integrating signals from the heart and autonomic nervous system. At the core of NeuroDX's work is **multimodal biosignal interpretation.** EEG signals capture brain activity, but many neurological and cognitive conditions are also reflected in cardiac and autonomic patterns such as heart rate variability and stress responses. NeuroDX's AI learns relationships across these signals to identify subtle patterns that may indicate early neurological disorders like epilepsy or Alzheimer's.

The foundation model is being **trained on diverse, high quality, real world biosignal datasets** and guided by clinically informed signal science. This allows the system to generate precision insights that doctors can trust for screening, monitoring, and decision support. NeuroDX reduces the reliance on scarce specialist expertise for early screening. Clinics can use AI assisted analysis to flag high risk cases sooner and refer them for timely care. The same core intelligence also supports **affordable brain computer interfaces** and future neuro enabled health technologies.



NeuroDx capabilities | Image source: NeuroDx

Building foundational AI model that can interpret human biosignals for early diagnosis of neurological disorders

Founders Profile

Founded in 2024 by Dr (Prof). Puneet Agarwal , Dr. Siddharth Panwar and Kailash Sati. Dr. Puneet is the Principal Director of Neurology at Max Supespeciality Hospital and ex-AIIMS Assistant Professor, Dr. Siddharth is an Assistant Professor at IIT Mandi with expertise in AI, neuroscience, and biomedical engineering, while Kailash has experience in building and scaling multiple healthcare startups.

Early Stage

Funding Details
Not Available

Scale

- Selected under the **IndiaAI mission for building 20B parameter multimodal model** to democratize neuroscience for rural clinics and research labs.
- Diverse use cases, including **assistive tech and exoskeletons, mental wellness, healthtech wearables and personalized health scores** for medical insurances.

For further details, reach out to connect@kalpaimpact.com

Nitara AI

AI based dairy farming technology for cattle breeding and health

AgriTech

Impact

Used by 30,000+ farmers across 500+ villages in 5 states

20% increase in herd health and 15% improvement in successful pregnancies

and desired offspring traits for pilot farms.

Recognised globally with the

International Dairy Federation (IDF) Award

Problem

Small dairy farmers across India work long hours managing a few animals that support their entire household. When a cow falls sick, fails to conceive, or produces less milk, farmers often do not know the cause until losses have already occurred. Records on breeding, health treatments, and nutrition are poorly maintained or lost over time, making timely decisions difficult.

India has nearly **eight crore dairy farmers** operating on thin margins, many of them small and marginal producers. Despite having the world's largest cattle population, farm level decisions still rely heavily on traditional practices and informal knowledge. Access to veterinary expertise, scientific breeding guidance, and timely health insights remains limited. As a result, productivity stays low and preventable losses continue, affecting farmer incomes as well as the country's nutrition security.

Solution

Nitara AI helps dairy farmers improve breeding and herd outcomes through an **easy to use, affordable, and multilingual AI powered app** that removes guesswork from farm management. Available in **13+ regional languages**, the Nitara Farmer App acts as a single interface to track cattle health, breeding, and milk production, while AI driven reminders ensure farmers do not miss heat cycles, vaccinations, deworming, or health check ups. The app also connects farmers to nearby veterinarians, feed suppliers, and medical stores, reducing delays that often lead to preventable losses.

Nitara's AI driven breeding tools optimise artificial insemination and conception outcomes. With patented **Semen Scan technology**, a simple photo of the semen straw is analysed using AI image recognition to read genetic codes, identify bull traits, and auto record breeding details without manual entry. **Nitara Nasal** then recommends the most suitable semen match based on the animal's genetics, nutrition, and health history, while **GauGuru**, a local language generative AI assistant, provides instant voice or text guidance on breeding, health, and nutrition.

Semen Scan technology | Image source : Nitara AI

AI powered precision dairy technology for farm management, improved breeding outcomes and cattle health

Founders Profile

Founded in 2017 by Manish Jain, who transitioned from wealth management to the dairy sector to solve its challenges through extensive research over 11 years using his industry experience.

Early Stage

Funding Details
Not Available

Scale

- Developed **individualised genetic recommendations for India's 31 crore cattle**, helping farmers get best personalized breeding advice for each animal.
- Long term vision is to bring **precision dairy technology to empower millions of dairy farmers and safeguard India's nutrition security.**

For further details, reach out to connect@kalpaimpact.com

Ossus Biorenewables

AI-optimised bioreactor for industrial wastewater treatment

Waste Management

Impact

Produces green hydrogen at under USD 1 per kg

nearly **50 percent** cheaper than grid-based green hydrogen production.

Approximately 2,000 kg cumulative hydrogen output per day across active pilots in India

Pilots with Tata Steel, ONGC, industrial clusters in Gujarat and Telangana

Problem

On the edge of industrial clusters, factories release large volumes of wastewater into nearby streams each day. For communities living downstream, water once used for washing, farming, or drinking becomes contaminated. Wells turn unsafe, crops decline, and health problems increase, with long term exposure linked to chronic illness and higher cancer risks, especially in nearby villages and tribal communities that depend on groundwater.

This is a widespread issue. India generates **over 72 billion litres of wastewater daily, and nearly 70 percent is discharged untreated into the environment.** Existing treatment solutions are **energy intensive, costly, and produce secondary waste** that further pollutes water bodies. As a result, polluted wastewater continues to contaminate rivers and groundwater, harming livelihoods and exposing communities to long term health risks.

Solution

Ossus Biorenewables addresses wastewater pollution through **OB HydraCel, an AI enabled bioreactor** that uses naturally occurring microbes in wastewater to break down organic pollutants while producing green hydrogen as a by-product. A small electrical input allows the system to clean water and generate hydrogen simultaneously, offering industries a cleaner alternative to fossil fuels. **AI models continuously monitor wastewater quality, microbial activity, and operating conditions**, automatically adjusting the system as inputs change, while remote monitoring enables hydrogen as a service with minimal manual intervention.

Designed for easy industrial integration, OB HydraCel is **compact, modular, and containerised,** connecting directly to existing effluent pipelines with low disruption. Unlike energy intensive treatment systems, it operates on low power, produces no secondary sludge, and lowers operating costs. This enables industries to reduce pollution at the source, cut dependence on large power grids, and generate clean hydrogen that can be reused within their operations.

OB HydraCel bioreactor | Image source: Ossus Biorenewables

AI bioreactor for clean hydrogen generation from industrial wastewater

Founders Profile

Founded in 2017 by Suruchi Rao and Shanta Rao, with academic and work expertise in biotechnology research and cleantech innovations

Early Stage

Raised a total funding of $3.58M

Scale

- Recognised with a **2025 ONGC award** for its contribution to national energy and sustainability goals; Selection among the 12 startups in the **Qualcomm Design in India Challenge.**
- Aims to deploy **multi-ton per day installations** across India and plans for expansion into **Europe, South Asia, and the United States.**

For further details, reach out to connect@kalpaimpact.com

Pinky Promise

Smartphone app for 24/7 advice on women's sexual / reproductive health

HealthTech

Impact

150,000+ women

have used Pinky Promise to access reproductive and sexual health consultations, with adoption concentrated in Tier II and Tier III cities.

The app has crossed

100,000+ downloads,

indicating wide uptake beyond major metropolitan centres.

Tens of thousands of gynaecology consultations

have been enabled, many of them first-time specialist consultations for users in areas with limited in-person access.

Low-cost, remote consultations

have reduced financial and logistical barriers, supporting earlier care-seeking among women outside large cities.

Problem

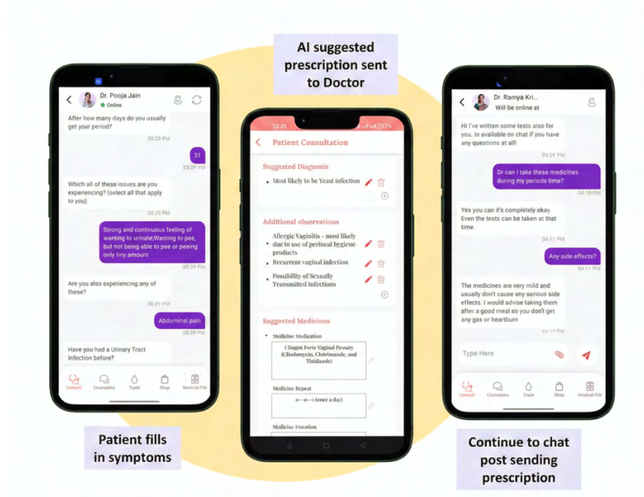
For Neha, a 27-year-old working professional, recurring urinary discomfort and irregular periods became a source of anxiety. Visiting a clinic meant **taking time off work, long waits, and uncomfortable conversations.** Conflicting online information left her unsure whom to trust, leading her to delay care in the hope that symptoms would resolve on their own.

Neha's experience reflects broader structural gaps in reproductive healthcare in India. **High out-of-pocket costs, limited public provisioning, and concentration of specialists** in metros restrict access for women in rural areas and Tier II and Tier III cities. These barriers are compounded by stigma around sexuality, contraception, infertility, and abortion, discouraging timely care-seeking and reinforcing inequities in reproductive health outcomes.

Solution

Pinky Promise is a **mobile health app that provides 24/7 access to licensed gynaecologists,** supported by AI-assisted medical intake and triaging. The system is not diagnostic. All medical advice, prescriptions, and treatment decisions are made by qualified doctors.

When a user initiates a consultation, **the AI guides her through a structured medical intake, covering symptoms, menstrual history, sexual and reproductive context,** and relevant medical background. This information is organised into a concise clinical summary for the doctor, highlighting potential red-flag symptoms and reducing repetitive questioning. Consultations are conducted via chat or call, allowing access even where in-person specialists are scarce. The app is designed for basic smartphones and low-bandwidth environments, and operates under human-in-the-loop safeguards, with data governance aligned to **India's Digital Personal Data Protection Act, 2023.**



Pinky Promise mobile app interface enabling confidential consultations with licensed gynaecologists | Image Source: Pinky Promise

AI-assisted access to confidential reproductive healthcare for women

Founders Profile

Pinky Promise was **founded in 2020 by Divya Balaji Kamerkar, Rahul Kamerkar, and Akanksha Vyas**. Divya Balaji Kamerkar serves as Co-Founder and CEO, leading the platform's vision of accessible, confidential reproductive and sexual healthcare for women. Rahul Kamerkar is a Co-Founder, and Akanksha Vyas serves as Co-Founder and CTO, leading product and AI development.

Early Stage

Total fund raised is $232K

Scale

- Operates nationally as a **24×7 mobile app**, with usage concentrated beyond major metropolitan centres.
- User adoption is strongest in states such as **Maharashtra, Uttar Pradesh, Rajasthan, Madhya Pradesh, and Karnataka,** reflecting demand in regions with limited specialist availability.
- Scales through **remote consultations and AI-assisted intake**, enabling doctors to support larger user volumes without replacing clinical oversight.

For further details, reach out to connect@kalpaimpact.com

Pixa AI

Speech-to-speech AI platform enabling emotion-aware voice interactions

AI Infrastructure

Impact

Achieved 1.3% Word Error Rate (WER)

in speech recognition and text-to-speech benchmarks, outperforming comparable systems such as Deepgram Nova-3 (5.24%) and GPT-4o TTS (3.2%), enabling more accurate and reliable voice interactions

Delivered sub-second response latency of ~580 ms

in real-time speech-to-speech processing, allowing natural, interruption-free conversations without the delays typical of text-mediated voice pipelines

Recorded a Mean Opinion Score (MOS) of 4.62,

exceeding GPT Realtime (4.15), indicating higher perceived voice naturalness, emotional expressivity, and human-likeness in user evaluations

Problem

Late at night, Aarav called customer support after his internet dropped during an important work call. The voice assistant **misheard basic requests**, asked him to repeat himself, and responded with noticeable delays. Frustrated, he hung up. For the company, that single failed interaction meant **unresolved issues, longer queues, and higher handling costs.** For Aarav, it was the feeling of **not being understood when it mattered most.**

At a system level, many **voice AI deployments struggle in real-world conditions.** High word error rates, latency, and unnatural speech make interactions feel mechanical, particularly across **accents and noisy environments.** These gaps increase call times, inflate operational costs, and erode user trust. As organisations adopt voice-first support, sales, and operations, **unreliable speech intelligence becomes a structural bottleneck rather than a productivity gain.**

Solution

Pixa AI's flagship product, **Luna AI, is a speech-to-speech foundational model** that directly processes audio to generate expressive, emotionally nuanced voice output without intermediate text conversion. By bypassing the traditional **speech-to-text to text to speech-to-text pipeline**, Luna enables **faster, more natural, and contextually adaptive conversations,** including whispering, singing, pausing, and tonal modulation, making human–AI interaction feel significantly more intuitive.

Designed for real-time emotional speech generation, Luna operates with **low end-to-end latency of approximately 600 milliseconds** and can detect and respond to tonal shifts such as **excitement, calm, or anger.** The platform is being piloted in **interactive storytelling, and wellness tech**, and is **strategically aligned with the Government of India's push to build home-grown foundational AI models.** As part of this effort, **Pixa AI remains in active dialogue with government stakeholders** while developing indigenous speech-to-speech AI capabilities.

Luna speech to speech AI | Image Source: Pixa AI

Emotion-aware speech-to-speech foundational voice AI

Founders Profile

Pixa AI was founded in 2024 by Sparsh Agrawal with a research-driven engineering team with deep experience in speech AI and multimodal systems. Their work across large-scale voice applications revealed critical gaps in existing voice models, leading them to build Luna from first principles with proprietary audio architectures focused on expressiveness, latency, and safety.

Early Stage

Funding Details
Not Available

Scale

- Since its launch, Luna AI has **attracted interest from enterprises in India and the US**, including proof-of-concept pilots in automotive voice systems and interactive media platforms.
- Currently focused on **English conversational capability**, Pixa AI plans to expand Luna to support **multilingual voice interactions** covering **12+ major Indian languages and over 30 global languages**, broadening its linguistic reach.
- Operating as an early-stage, deep-tech voice AI innovator, Pixa AI is positioning Luna as a **foundational voice intelligence layer** for developers and partners across education, entertainment, mobility, and wellness domains.

For further details, reach out to connect@kalpaimpact.com

PrivaSapien

AI systems for safe analysis of health and welfare data

Privacy Tech

Impact

Accelerates privacy risk assessment by up to 4,000x

enabling organisations to evaluate large health and welfare datasets in minutes rather than weeks

Preserves around 90% of data utility after anonymisation

allowing datasets to remain useful for population-level health and welfare analysis while reducing re-identification risk.

Problem

Government departments hold large volumes of health and welfare data that could improve policy design, service delivery, and programme monitoring. However, using this data safely is difficult. Even when names or IDs are removed, individuals can still be identified through combinations of attributes such as age, location, health conditions, or benefit history. Most existing anonymisation practices focus on masking fields, without clearly showing how much re-identification risk remains.

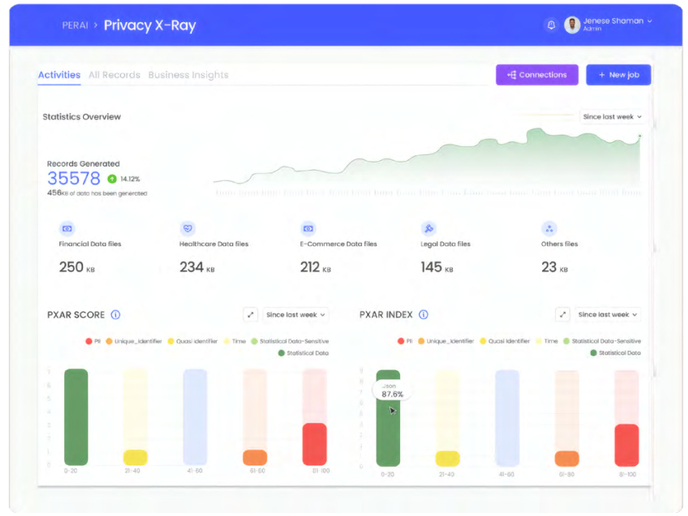
For data custodians and Data Protection Officers, this creates a practical bottleneck. Privacy risk is **hard to see, hard to measure, and slow to assess** using manual reviews. As a result, decisions tend to err on the side of caution—datasets are locked down, shared slowly, or not used at all. This leads to **under-use of valuable public data, delays in policy analysis, and missed opportunities to generate evidence**, even as data volumes continue to grow.

Solution

PrivaSapien Technologies builds AI-based tools that help governments use health and welfare data safely. The system automatically identifies personal and sensitive information in datasets and assesses the risk that individuals could be identified, even after basic anonymisation.

Instead of checking privacy through manual reviews or fixed rules, the platform analyses how different data attributes combine and assigns a clear privacy risk score. One tool in the platform, **Privacy X-Ray, displays these risks visually**, making it easier for data custodians to understand where risk comes from and how different anonymisation choices reduce it.

Based on predefined risk thresholds, the system applies targeted anonymisation to reduce risk while keeping the data useful for analysis. This turns privacy from a subjective compliance step into a clear, repeatable decision process, allowing health and welfare data to be analysed at scale without compromising individual privacy.



Privacy X-Ray statistics overview | Image source: PrivaSapien

Quantifying privacy risk before datasets are used

Founders Profile

PrivaSapien is based in Bengaluru, **founded in 2019** by **Abilash Soundararajan** (ex- Aruba) and **Deepika Abilash** (ex-research in privacy and cryptography) combining experience in enterprise technology and data privacy, aligned with the needs of government data systems.

Early Stage

Raised a total funding of $1M

Scale

- Recognised nationally and globally, including selection in **NASSCOM Emerge 50** and **Google for Startups AI First** cohorts, signalling credibility in responsible AI and privacy engineering.
- **~30+ patents filed**, demonstrating a broad intellectual property foundation underpinning privacy technologies.
- **Operating globally with customers spanning India, US, EU, and Middle East**, reflecting relevance across regulatory regimes.

For further details, reach out to connect@kalpaimpact.com

Rasta AI

AI smartphone-based technology for road mapping

Urban Mobility

Impact

1000+ kilometres of road network digitally surveyed

across multiple Indian cities including Mumbai and Pune.

Inspection time reduced from weeks to hours, and inspection cost reduced

Partnered with

50+ government agencies and contractors

in multiple cities like Pune and Latur to digitise road monitoring.

Problem

Every monsoon, daily commuters across Indian cities face unpredictable travel as roads deteriorate. Roads get filled with potholes, leading to traffic disruptions and increased risk of injury and accidents. Two wheeler riders, pedestrians, and low income workers are affected the most, as poor road conditions directly threaten safe mobility, livelihoods, and access to essential services.

In 2022 alone, around 4,446 accidents were attributed to potholes in India. Cities still lack continuous, scientific monitoring of road networks, relying on traditional surveys that capture only a fraction of the network. As a result, defects such as potholes, rutting, and edge failure are often detected only after causing accidents or major traffic disruption, leading to unsafe roads and higher maintenance costs.

Solution

Rasta AI replaces manual road surveys with an automated computer vision application that **detects, classifies, and maps road defects** using simple smartphone videos. Its AI models analyse video frames to identify potholes, cracks, damages, and waterlogging, assign severity scores, and generate GIS mapped defect layers that help municipal teams prioritise maintenance.

The system works without specialised hardware, requiring only a smartphone mounted on any vehicle, significantly reducing costs and operational effort. Detected defects are plotted on a geospatial dashboard with GPS, timestamps, and road quality indices, enabling engineers to track deterioration over time and plan preventive maintenance. Rasta AI also generates **automated compliance reports** and can **integrate with existing GIS systems**, allowing public works departments to verify repair quality and contractor performance.

Road monitoring using smartphone camera | Image source: Rasta AI

AI powered smartphone application for automated road mapping

Founders Profile

Founded in **2023 by Rahul Andhale** and backed by a co-founding team with expertise across AI, GIS mapping, civil engineering, and public infrastructure.

Early Stage

Funding Details Not Available

Scale

- Recognitions include **NASSCOM's AI Gamechanger of the Year, MCCIA's Best Innovation Award, and representation in India's startup delegation to Europe.**
- Plans to expand to more cities across India and globally, by partnering with government agencies
- Future plan to launch **Rasta Reports**, a citizen-facing app for video-based pothole alerts

For further details, reach out to connect@kalpaimpact.com

Respirer Living Sciences

Air quality monitoring and forecasting for urban resilience

Climate Tech

Impact

2,500+ air quality monitoring devices

deployed across

25+ Indian cities, enabling hyperlocal measurement beyond sparse reference stations.

700+ sensors

deployed under Project AMRIT, creating India's first large-scale rural ambient air quality monitoring network across Uttar Pradesh and Bihar.

Problem

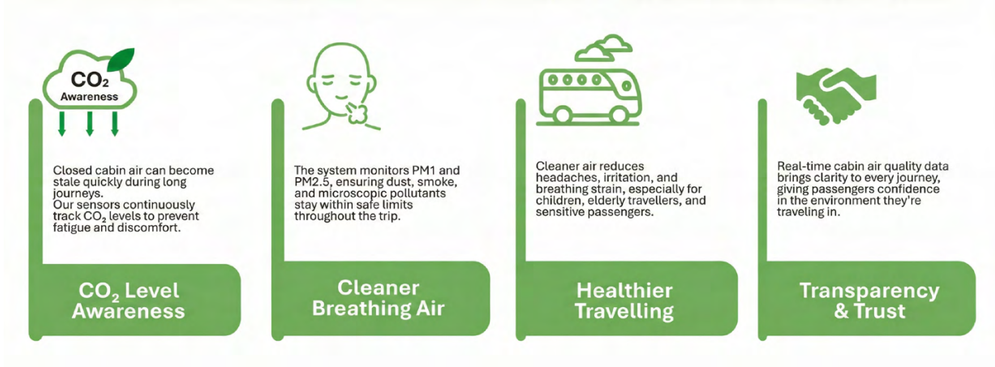
Air pollution in Indian cities is both severe and unevenly distributed. Pollution levels can vary dramatically within short distances due to traffic patterns, land use, meteorology, and local emission sources. Yet most cities rely on a small number of reference-grade monitoring stations, which provide city-wide averages but fail to capture neighbourhood-level exposure.

This data gap becomes especially critical during extreme pollution episodes, which are often driven by seasonal heat, agricultural residue burning, or atmospheric inversions. Authorities are forced to **respond reactively, issuing blanket advisories without knowing where pollution is peaking** or how long it will persist. For schools, hospitals, and urban planners, the lack of timely, local forecasts limits their ability to protect vulnerable populations and plan effective interventions.

Solution

Respirer Living Sciences applies **AI-driven air quality intelligence through real-world deployments** such as the **IntrCity deployment**. Respirer integrates real-time air quality sensors inside and outside intercity buses to continuously measure particulate matter and gaseous pollutants. These sensor streams are combined with meteorological data and route-level context, and processed using machine-learning models that **predict pollution ingress and exposure risk along the journey.**

AI-driven control logic then dynamically **manages air purification and circulation systems**, adjusting filtration and airflow in response to predicted pollution spikes rather than static thresholds. This allows buses to maintain safer in-cabin air quality even while travelling through highly polluted corridors or during episodic smog events.



How Respirer Works Inside the SmartBus | Image source: Respirer

Turning air quality data into early, local action

Founders Profile

Respirer is based in Pune and was founded in **2017 by Ronak Sutaria**, who brings hands-on experience in air quality monitoring, environmental sensing, and data-driven pollution management, positioning him well to build end-to-end systems that support evidence-based air quality action for governments and industry.

Early Stage

Raised a total funding of $48.3K

Scale

- Large-scale rural deployment through **Project AMRIT**, extending air quality intelligence beyond urban centres into under-monitored regions.
- City-level operational deployments, including **20+ sensors in Surat**, supporting municipal air quality decision-making.
- Collaborations with academic and policy institutions, including **IIT Kanpur–linked initiatives** and pollution control bodies, to ensure calibration, credibility, and policy relevance.

For further details, reach out to connect@kalpaimpact.com

RoadMetrics

AI system that detects, maps, and prioritises road surface defects using smartphone video data

Urban Mobility

Impact

~95 percent defect detection accuracy,

improving the reliability of maintenance decisions compared to manual visual inspections.

419 kilometres of Chennai's bus routes

are actively monitored using RoadMetrics, supporting smoother and more predictable public transport operations.

30 to 40 percent reduction in road assessment costs

reported by agencies, driven by the replacement of manual surveys and specialised inspection vehicles.

Problem

Every monsoon, Ravi Kumar, a junior road engineer in a mid-sized Indian city, manages hundreds of kilometres of roads with a small field team. To decide where repairs are needed, he depends on **citizen complaints, visual inspections, and handwritten notes.** By the time his team reaches most locations, minor surface damage has already turned into deep potholes. **Traffic slows, accidents increase, and repair costs rise** sharply. The issue is not neglect, but late visibility.

Across Indian cities, road maintenance remains reactive. Inspections are infrequent and subjective, offering no **reliable way to prioritise limited budgets.** As a result, cities spend more responding to failures than preventing them, while residents deal with unsafe roads and disrupted daily travel.

Solution

RoadMetrics replaces periodic manual surveys with **continuous road inspection** using a **smartphone mounted on any survey or service vehicle**. As vehicles move through the city, **road videos are automatically captured** along with **GPS location and timestamps**. **Computer-vision models** analyse video frames at fixed intervals to detect **surface defects such as potholes, cracks, rutting, and edge damage**.

Each **defect is mapped to its precise location** on a **city-wide GIS dashboard**, and a **standardised road condition score** is generated for every road segment. This allows engineers to **prioritise repairs objectively** based on severity, rather than complaints or ad-hoc inspections. By enabling **early detection**, RoadMetrics helps municipalities **prevent defect escalation, reduce emergency repairs, and use maintenance budgets more efficiently**, while improving **road safety and commuter experience**.

RoadMetrics web-GIS platform | Image source: RoadMetrics

Turning everyday vehicle movement into a live road maintenance decision system

Founders Profile

RoadMetrics was founded in **2019** by **Dipen Babariya and Nikhil Prasad Maroli**, who bring backgrounds in civil engineering, transportation systems, and applied computer vision. Prior to RoadMetrics, the founders worked on road design, condition assessment, and infrastructure evaluation projects, gaining first-hand exposure to manual surveys, fragmented maintenance data, and slow feedback loops in public works. This experience informed RoadMetrics' focus on automated, data-driven road condition monitoring for governments.

Early Stage

Raised a total funding of $248K

Scale

- Deployed across **Karnataka, Maharashtra, Tamil Nadu, and Delhi**, supporting municipal and transport authorities in large-scale road condition monitoring.
- **50,000+ kilometres of roads surveyed**, with the system capable of processing up to 1,000 kilometres per week using routine vehicle movement.
- Expanded to the United Kingdom through pilot deployments with local authorities including **Leicestershire County Council**, demonstrating international public-sector applicability.

For further details, reach out to connect@kalpaimpact.com

Salcit Technologies

AI respiratory disease screening using cough sound

HealthTech

Impact

300,000+ assessments conducted

across India for early TB detection.

~30 percent increase in identification

from questionnaire based screening.

Costs less than $0.15 per assessment

significantly cheaper than traditional screening methods.

Problem

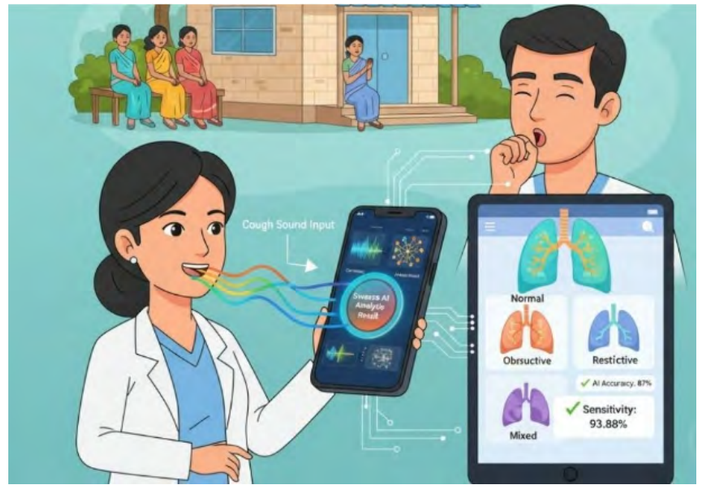
In many small town clinics, patients with persistent cough or breathlessness visit doctors unsure how serious their condition is. Advanced diagnostic tools like spirometry or pulmonary function tests are often unavailable, and repeated hospital visits are unaffordable. Doctors rely on basic examinations and patient history to make judgments, while definitive tests are accessible only in larger hospitals.

This is a widespread challenge in India, where **respiratory illnesses are among the leading causes of death.** Screening still depends on spirometry and chest X-rays that require specialised equipment, trained technicians, and active patient participation, making them inaccessible at many primary care centres. As a result, early assessments rely heavily on clinical judgement and questionnaires, which can miss early signs for diseases like tuberculosis, asthma, COPD, or pneumonia.

Solution

Swaasa, developed by Salcit Technologies, uses AI to turn a simple cough recorded on a smartphone into an early respiratory health signal. Within about 15 seconds, **the system analyses the cough sound and flags potential respiratory risk, enabling quick screening at the first point of care without physical exams or diagnostic equipment.** The solution is **non-invasive, low cost, works on basic devices** with minimal bandwidth, and can be used anytime and anywhere, including through IVR on landlines or feature phones.

At the core of Swaasa is a **dual AI architecture** built specifically for cough analysis. A **Convolutional Neural Network** processes MFCC spectrograms to capture detailed frequency patterns, while a **Feed forward Artificial Neural Network** analyses multiple cough features to detect subtle acoustic signatures. The AI further classifies users into clinically meaningful respiratory patterns such as **Normal, Obstructive, Restrictive, and Mixed,** helping doctors decide next steps and personalise care. Built for scale, the system requires no trained personnel, consumes low battery, and supports large volumes of screenings in resource constrained settings.



Medical screening using Swaasa | Image source : Swaasa AI

AI powered respiratory disease screening using cough sounds

Founders Profile

Founded in 2017 by Narayana Rao Sripada, whose tech entrepreneurship and deep tech background shaped his motivation to pioneer AI-driven respiratory diagnostics.

Early Stage (Confidential Round)

Scale

- Backed by **Startup India and Digital India frameworks**, and supported by a grant from the **Department of Biotechnology.**
- Supports India's healthcare ecosystem by strengthening **National Health Mission (NHM), integrating with Ayushman Bharat Digital Mission (ABDM), and aligns with National Tuberculosis Elimination Programme (NTEP).**
- Aims to expand mass screening across **multiple respiratory profiles.**

For further details, reach out to connect@kalpaimpact.com

Satyukt Analytics

Satellite and AI-driven farm analytics for precision irrigation and input management

AgriTech

Impact

Up to 50% reduction in fertiliser, pesticide, and water use

through targeted, plot-level application.

25–30% improvement in yields and crop water productivity,

driven by proactive soil moisture and crop stress monitoring.

Improved net farm income for smallholders,

enabled by lower input waste and early risk detection across climate-volatile regions.

Problem

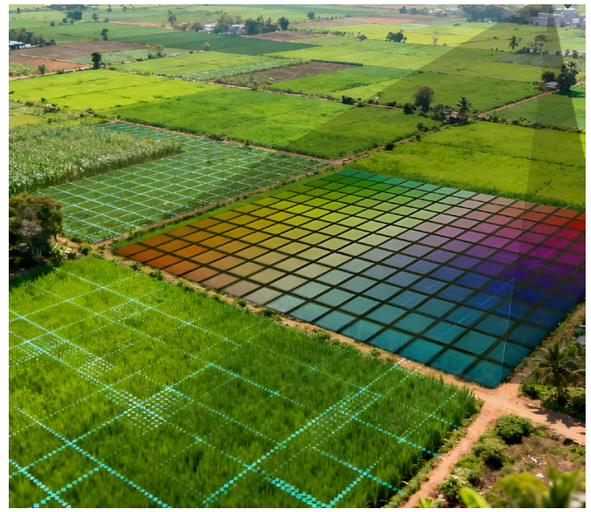
Rajan, a smallholder farmer, irrigates based on intuition rather than data. By the time crop stress is visible, inputs are already wasted and yields suffer.

Small and marginal farmers lack **reliable, plot-level data on soil, weather, and pest risk.** Costly and slow testing, combined with generic advisories that ignore micro-climate differences, leads to delayed or inaccurate decisions, higher input costs, avoidable yield loss, and income uncertainty.

Solution

Satyukt Analytics provides **Sat2Farm**, a mobile and web-based farm analytics platform that converts satellite imagery and geospatial data into **field-specific, actionable insights** without requiring on-ground hardware. Using remote sensing and machine learning, the platform delivers indicators such as soil moisture, crop health, nutrient stress, pest and disease risk, weather forecasts, and irrigation scheduling.

Sat2Farm is designed for low-friction adoption, accessible via basic smartphones with low data usage and multilingual support. By enabling accurate irrigation and fertiliser planning and issuing early risk alerts, the platform reduces input waste and crop losses while improving productivity. Farm-level data is collected only when users register plots, with defined privacy controls and no continuous location tracking, ensuring responsible data use.



Sat2Farm satellite based farm analytics | Image source: Satyukt Analytics

Using satellite and AI to deliver plot-level farm intelligence

Founders Profile

Satyukt Analytics was founded in **2018 by Dr. Sat Kumar Tomer and Dr. Yukti Gill** leveraging their deep technical expertise in remote sensing, AI/ML, and organizational behavior to revolutionize agriculture with satellite data for better crop management and resource efficiency.

Early Stage

Raised a total funding of $1.72M

Scale

- Covers **400,000+ acres, across 100+ crops and 50+ countries**, including India, Kenya, Ethiopia, Malawi, Brazil, Colombia, Indonesia, and Vietnam.
- Used by farmers, agribusinesses, crop insurers, input companies, and supply-chain organisations for crop health, risk, and yield insights.
- Supports climate-smart agriculture across diverse soil types and agro-climatic zones at population scale.

For further details, reach out to connect@kalpaimpact.com

Secure Blink

AI-native Application & API Security Platform

Privacy Tech

Impact

Achieved 92% detection accuracy

in identifying both known and unknown application vulnerabilities using its ML-based heuristic engine, improving reliability of enterprise AppSec scanning.

Secured and scanned 17,000+ IPs

(viz 2021) across customer environments, demonstrating real-world deployment at production scale for application security monitoring.

Enabled organisations to shift left on security

by embedding continuous vulnerability detection into development and deployment workflows, reducing exposure windows and strengthening overall cyber resilience.

Problem

Amit, a product manager at a fast-growing SaaS company, pushed frequent feature updates to stay competitive. Weeks later, a routine audit uncovered **security gaps buried in newly deployed code.** Fixing them meant emergency patches, delayed releases, and anxious customers. For teams like Amit's, security issues rarely appear where or when they're expected, and by the time they surface, the **cost to trust, time, and operations is already high.**

At a system level, **application security struggles to keep pace with modern software development.** Enterprises manage sprawling digital assets, fast-changing codebases, and complex third-party dependencies, while security teams rely on **periodic scans and rule-based tools that miss unknown or emerging threats.** Vulnerabilities often remain hidden until audits or breaches, forcing reactive security workflows and leaving organisations exposed to escalating cyber and compliance risks.

Solution

Secure Blink offers **Threatspy, an AI-native application and API security platform designed to integrate directly into modern DevSecOps workflows.** Instead of manual pen-testing or siloed scans, Threatspy uses **intelligent heuristics and automated workflows** to continuously detect, prioritise, and guide remediation across web applications and APIs, covering risks such as **CWE Top 25, OWASP Top 10, and API misconfigurations.**

Built for developer-first adoption, the platform embeds security early in the **CI/CD pipeline**, automatically creates remediation tasks in tools like **Jira or Slack**, and maintains continuous visibility into threat posture without slowing delivery. With **military-grade encryption and automated playbooks**, Secure Blink enables faster, more consistent risk mitigation while scaling alongside agile development practices.

ThreatSpy dashboard | Image Source: Gartner Reviews

AI-driven security platform that continuously scans, detects, and prioritises vulnerabilities across modern software systems

Founders Profile

Secure Blink was founded in 2020 by Tapendra Dev and Sonal Khanna. Tapendra is a cybersecurity researcher and former CTO across multiple startups and as a senior IT security consultant working with Indian government and law enforcement agencies, bringing deep expertise in application and API security. Sonal Khanna complements this with a strong focus on operational execution, growth, and developer-centric security adoption. Secure Blink has emerged from the DSCI National Centre of Excellence and is backed by early-stage support from US-based Expert Dojo, reflecting early global traction.

Early Stage

Funding Details
Not Available

Scale

- Supports **security-critical sectors** including BFSI, healthcare, SaaS, and government applications, designed to scale continuous application and API security across cloud-native and microservices environments.
- Built on a **developer-first, API-led platform,** with a stated goal of serving **1,000+ enterprise customers globally**, enabling security to scale alongside growing application and API footprints.
- Publicly articulated plans to **establish presence across 20+ countries**, with expansion focus including the Middle East and Africa to meet rising demand for application and API security.

For further details, reach out to connect@kalpaimpact.com

Soket AI

Foundation AI models and representative datasets for Indian languages

AI Infrastructure

Impact

Supported by the

IndiaAI Mission

for building and scaling models that can serve **national research and public digital infrastructure needs.**

Open models like

Pragna-1B

for building multilingual NLP, translation, and conversational AI systems, and

DHRITH

supports emotionally aware speech recognition, empathetic call analytics, and Indic text to speech systems.

Bhasha dataset series

has produced one of the largest Indic language corpora available in open source, with **60M+ combined downloads**

Problem

A government officer drafting a public notice, a student searching for learning material, and a small business owner setting up AI based customer support face the same problem. Most AI tools work best in English and struggle with Indian languages, mixed scripts, and everyday speech. This gap affects a large share of India's internet users, most of whom consume content in vernacular languages. **Indian languages make up less than 1 percent of internet scale training datasets**, leaving them underrepresented and inconsistently supported in global language models. As a result, AI systems mistranslate, miss context, or fail to hold natural conversations in local languages, making government services harder to access, learning tools less effective, and digital platforms less inclusive.

Solution

Soket AI builds indigenous, open, and multilingual foundational AI systems designed for India's linguistic and cultural diversity. **Pragna-1B** is a 1.25B parameter open source multilingual language model optimised for multiple Indian languages, and designed for edge and low compute environments. Through tokenizer and architectural choices that reduce token counts for Indic scripts, it enables faster inference, lower GPU usage, and reduced environmental footprint, while remaining open for local fine tuning by organisations.

To address the shortage of high quality Indic language data, Soket AI has released the **Bhasha dataset series** as open source. This includes large scale translated Wikipedia datasets as well as an India specific subset focused on local context, providing a foundational linguistic resource for training and benchmarking Indic AI models. Soket AI also developed the **Dhrith, Automatic Speech Recognition model** that captures emotion, rhythm, and code switched speech, enabling more precise transcription and deeper contextual understanding in voice based AI systems.

Soket AI supported by IndiaAI Mission | Image source: Soket AI

Open-source foundational models and datasets for Indian languages

Founders Profile

Founded in 2019 by Abhishek Upperwal (ex-NIUA, Merkle Labs, Ministry of Housing and Urban Affairs), driven by experience in working on India's Smart Cities Mission, where he saw untapped potential in the vast data generated by smart infrastructure.

Early Stage

Funding Details
Not Available

Scale

- Plans to scale to **40B parameter** and eventually a **120B parameter India centric foundation LLM.**
- Research collaborations with multiple academic institutions including **IIT Gandhinagar and IIT Roorkee.**

For further details, reach out to connect@kalpaimpact.com

Solarad.ai

Solar forecasting and weather intelligence for grid-ready renewables

Climate Tech

Impact

Providing data and forecasts for over 2 GW (2,000 MW) of solar utility projects,

supporting generation planning at grid scale.

Delivers up to 10× return on investment

for solar producers by reducing deviation penalties and maximising energy sales through improved forecasting.

Problem

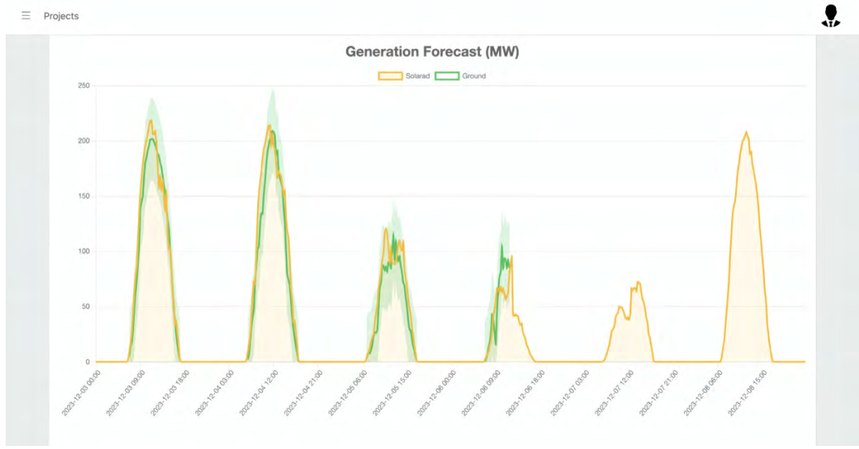
As solar penetration increases, power systems face a growing challenge: variability. **With over 130 GW of installed solar capacity**, India's grid is increasingly exposed to weather-driven fluctuations that affect generation in real time. Inaccurate forecasts frequently result in deviations **beyond the ±15% tolerance band**, triggering grid imbalance penalties and revenue losses for solar producers.

Solar generation is highly sensitive to cloud cover, temperature, and local weather dynamics, yet grid operations require predictable, scheduled supply. Traditional forecasting methods rely on coarse weather models that struggle to capture **hyperlocal and fast-changing cloud movement**, leading to inefficient dispatch and underutilisation of renewable assets. For producers, traders, and grid operators, the lack of reliable, granular forecasts constrains both renewable integration and financial performance.

Solution

Solarad.ai builds AI-driven **solar power forecasting systems integrating satellite imagery, numerical weather prediction (NWP) models, and historical plant-level generation data**. Satellite inputs capture cloud dynamics and irradiance variability, while NWP models provide physics-based atmospheric forecasts, anchored by historical generation data for asset-specific calibration.

Machine-learning models learn non-linear relationships between weather variables and power output, continuously retraining to adapt to seasonal variation, site-specific degradation, and evolving operating conditions. This **hybrid physics + ML approach** improves forecast accuracy, delivering **intra-day, short-term, and day-ahead forecasts** via dashboards and APIs for grid coordination, storage optimisation, and market participation.



Generation Forecast on Solaroid.ai | Image source: Solaroid

Real-time environmental intelligence for climate-aware decisions

Founders Profile

Solarad.ai is based in San Francisco, founded in 2021 by Ravi Choudhary, Bhramar Jaysen Choudhary and Haider Abbas. The founding team brings experience across energy systems, applied machine learning, and renewable power operations, aligning closely with the challenge of improving solar generation predictability and grid integration through data-driven forecasting.

Early Stage

Raised a total funding of $450K

Scale

- **Backed by leading climate-tech investors, including India Quotient**, supporting product scaling across global renewable markets.
- **Deployed across four continents,** supporting solar operators working with grid operators, energy traders, and power system planners in diverse regulatory and climatic environments.

For further details, reach out to connect@kalpaimpact.com

Staqu

AI powered video surveillance and criminal data digitisation

Urban Mobility

Impact

Partnered with the UP Police and Special Task Force

to create digitised database of

9 lakh criminals.

Used for real time security monitoring during major national events, including the

Ram Mandir inauguration in Ayodhya

Implemented AI-powered Video Wall across

all 70 prisons in Uttar Pradesh

covering 700 cameras over a 900 km stretch

Problem

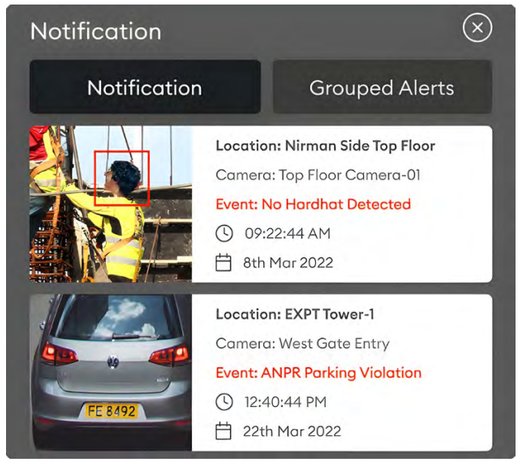
Across police control rooms, small teams of officers are expected to monitor hundreds of CCTV cameras, track suspects, manage crowds, and respond to incidents. Most footage goes unwatched unless an incident has already occurred, while officers spend hours manually scanning videos, searching records, and coordinating across departments under time pressure.

This challenge is intensified by India's large population and limited police manpower, **with only about 154 police personnel per one lakh people**. Much of police data remains offline, forcing investigations and criminal tracking to rely on manual searches. Despite widespread camera deployment, managing security during large public events, elections, and crowded spaces remains difficult, as fragmented data and heavy workloads limit early action and timely response.

Solution

Staqu uses **JARVIS, an audio and video analytics technology** that converts large volumes of CCTV footage into real time, actionable alerts, reducing the need for manual monitoring. JARVIS works with existing IP cameras, can be deployed on cloud or edge, and includes facial recognition capable of rapid deep facial analysis. It also functions as a unified video management system, enabling large scale camera monitoring, attribute based search for suspects, crowd analysis, violence detection.

For investigations and field operations, Staqu has built generative AI tools such as **Crime GPT and SIMBA**, supported by large vision and language models for law enforcement use. These tools allow officers to search and connect data across criminal databases using text, voice, images, or audio, and retrieve insights on suspects, past crimes, and networks in real time. Staqu also equips officers through a **multilingual mobile app and wearable solutions** that enable biometric capture, phonetic search, and real time facial identification in the field.



Real time alerts on critical events | Image source : Staqu

AI security software for video surveillance and criminal data digitisation

Founders Profile

Founded in 2019 by Atul Rai, Anurag Saini, and Pankaj Kumar Sharma, with research and work experience in AI, computer vision and scalable tech solutions. Atul brings multiple research experiences with a focus on computer vision and machine learning, Anurag (ex- Cube26) contributed with his deep expertise in application development, and Pankaj (ex-Cube26, Zomato) added software development experience to build this surveillance solution.

Early Stage

Raised a total funding of $2.11 million

Scale

- Works with **50+ organisations**, including NITI Aayog, the Indian Army, multiple state governments, and **eight state and UT police forces.**
- Signed a memorandum of understanding with the **Dubai Police.**

For further details, reach out to connect@kalpaimpact.com

Startoon Labs

Indigenous medical device leveraging AI for data driven physiotherapy diagnostics

HealthTech

Impact

Delivers 97% clinically validated accuracy

in muscle and joint movement measurement for rehabilitation assessment.

Reduces diagnostic reporting time from

up to 90 minutes to instant point-of-care reports,

enabling faster clinical decisions.

Has generated 20,000+ rehabilitation reports

across hospitals and physiotherapy centres, demonstrating sustained clinical use.

Problem

Ramesh, a 45-year-old recovering from knee surgery, attended physiotherapy sessions for weeks without a clear way to know whether his strength and movement were actually improving. Progress was judged visually, leaving both patient and therapist dependent on experience rather than measurable evidence.

In India, **physiotherapy and rehabilitation still rely largely on subjective, manual assessments,** making it difficult to quantify recovery, personalise treatment plans, or track outcomes over time. This gap is especially limiting for patients with neurological or chronic musculoskeletal conditions who require precise, data-driven rehabilitation to recover effectively.

Solution

Startoon Labs develops **Pheezee®**, a wearable, prognostic diagnostic device that quantifies key functional recovery metrics such as **muscle activation (via sEMG) and range of motion (ROM)**. The system combines sensor intelligence with cloud-enabled analytics to produce **structured, AI-generated** reports that help clinicians and therapists understand a patient's recovery trajectory with measurable data rather than subjective judgement.

Pheezee is designed for use in clinical, rehabilitation and outpatient settings, and it supports **tele-physiotherapy** by enabling patients to continue therapy at home while sharing progress data with their care teams. The device's non-invasive, evidence-based reports enable early identification of pain sources and guide targeted interventions for conditions including arthritis, muscle disorders, carpal tunnel syndrome and neurological impairments.

Pheeze | Image Source : Startoon Labs

Reliable, AI & data driven quantitative recovery tracking in physiotherapy

Founders Profile

Startoon Labs was founded in 2017 by Suresh Susurla and Mythreyi Kondapi to build high-quality, hardware-led medical devices from India. Suresh brings over two decades of experience across embedded systems, automotive & industrial hardware at Tata Motors, Siemens, and IIT Madras, while Mythreyi contributes deep product and systems expertise from wearable and IoT development at Bosch and Ducere, shaping Startoon's clinically focused physiotherapy solutions.

Early Stage

Raised a total funding of $465K

Scale

- **Expanded diagnostic reach** via partnerships with **MedPlus centres**, enabling access beyond hospital-based physiotherapy settings.
- Deployed across **17 states**, with adoption in **110+ hospitals and 6,000+ patients** assessed using the platform.
- **Scaling into North America following US FDA 510(k) clearance**, enabling adoption across regulated physiotherapy and rehabilitation markets.

For further details, reach out to connect@kalpaimpact.com

Stimuler

Practice-led spoken English platform improving employability outcomes

EdTech

Impact

1M+ learners engaged

across India in structured spoken-English practice using real-time feedback and simulated conversations.

Noticeable fluency and pronunciation improvement within 4–6 weeks

of regular use, reported across college and skilling programme cohorts.

Higher interview readiness and confidence,

with training partners reporting improved placement outcomes for learners from non-metro regions.

Problem

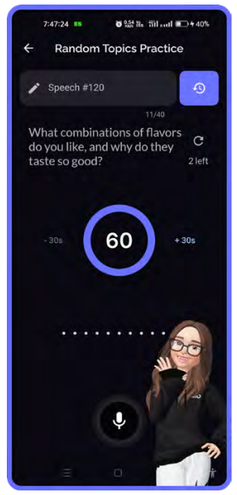
Ankit, a final-year student from a small town in Bihar, cleared his technical exams but kept getting rejected in interviews. His ideas were sound, but hesitant spoken English and low confidence held him back. Affordable, personalised speaking practice was simply not available where he lived.

This reflects a broader gap. While formal education builds reading and writing skills, **spoken English remains a major barrier to employment in services, sales, IT and corporate roles.** Human-led coaching is expensive and hard to scale, feedback is inconsistent, and learners rarely get repeated, low-stakes speaking practice. As a result, capable candidates are filtered out not on ability, but on communication.

Solution

Stimuler provides a **practice-first digital platform focused on improving spoken English** through repetition, feedback and contextual use. Learners practise speaking in simulated scenarios such as interviews, workplace discussions and everyday conversations rather than passive lessons.

Speech recognition and language models analyse pronunciation, fluency, grammar and vocabulary as the learner speaks, generating instant, actionable feedback. **Difficulty levels adapt based on performance, recurring errors are flagged, and practice is personalised over time.** The system functions as a self-paced speaking tutor that complements colleges, skilling programmes and vocational training, without requiring live instructors at scale.



AI-enabled speaking practice interface delivering real-time feedback | Image Source: Stimuler

Conversational learning with real-time speech feedback

Founders Profile

Stimuler was founded in 2022 by IIT BHI college students Akshay Akash, Ankit Kumar Pandey, Anesh Srivastav, and Akshat Baranwal, who turned their own struggles with spoken English into a voice-first AI learning platform. Combining debating-led communication insight, AI engineering, and product design from their college experiences, the founding team built Stimuler to help learners practise real conversations and overcome the fear of speaking English.

Early Stage

Raised a total funding of $4.78M

Scale

- **Adopted across 200+ countries** by colleges, training institutes and skilling organisations with **4M+ app downloads with 60,000+ paid users.**
- Planning to Scale user acquisition in key markets, especially across **Latin America and Southeast Asia.**
- **Mobile-first deployment** enables wider adoption across tier-2 and tier-3 cities **used across academic, vocational and interview-preparation.**

For further details, reach out to connect@kalpaimpact.com

Tap Health

AI-first health assistant for long term disease management

Healthtech

Impact

Over 400,000 users

across India onboarded by the app.

Affordable pricing at less than 10%

of the cost of existing human-led chronic health management programs like diabetes management.

More than 1600 illnesses precisely identified

across 100+ medical categories, useful for preventive care.

Problem

In a neighbourhood clinic in Lucknow, 58 year old Suresh struggled to manage his diabetes. Doctor visits were infrequent, diet and exercise plans inconsistent, and medication reminders depended on family members. Over time, poor monitoring and irregular care led to fluctuating blood sugar levels and a serious medical emergency.

India, often called the diabetes capital of the world, **has nearly 300 million pre diabetic and diabetic individuals**. For most patients, care is limited to occasional consultations, while sustained lifestyle and behaviour change remains difficult due to lack of personal guidance. Dieticians, health coaches, and diabetes educators are scarce outside major cities, and personalised support is unaffordable. Most digital health solutions are English first, making them inaccessible to native language speakers, older patients, and non tech savvy users.

Solution

Tap Health offers an **AI driven health assistant app** for chronic disease management that is **affordable and accessible through simple voice interactions** in English or Hindi, making it suitable for users with low digital literacy. The entire journey, from onboarding and care plan creation to daily guidance, is managed by **multiple AI agents** that analyse user behavior and adapt recommendations over time. The system learns continuously from glucose logs, meals, activity data, and voice inputs to tailor guidance dynamically for each user. In addition, their **AI Symptom Analyser** provides preliminary diagnoses for multiple illnesses using only voice input for free on the app.

The app offers a **diet recommendation engine** for suitable Indian cuisine suggestions, **exercise generation agent** for personalised workout videos adapted to home settings and physical limitations and **nudge intelligence system** for driving behavior change. In addition to disease management, the assistant offers free preliminary diagnosis and instant health answers, with referrals to specialist doctors through partnerships, making it a comprehensive health solution.

Tap Health health assistant | Image source: Tap Health

Voice based chronic-care assistant for personalised health guidance

Founders Profile

Founded in 2023 by Rahul Maroli (ex-Elevate Now, ZEE5, Ola) and Manit Kathuria (ex- Instawork, ZEE5, Magicbricks) with experience in building and scaling ventures across mobility, healthcare, edtech, and digital entertainment

Early Stage

Raised a total funding of $71.9K

Scale

- **Partnership with MeraDoc**, allowing users to connect with qualified doctors for paid teleconsultation for advanced treatment
- Plans to expand their app to support **more vernacular languages**, and enable personalised care for **more chronic diseases**.

For further details, reach out to connect@kalpaimpact.com

WEGoT Utility Solutions

Water utility intelligence for urban efficiency and resilience

Climate Tech

Impact

Monitors water distribution for 1+ million urban consumers

enabling real-time visibility into supply, pressure, and consumption across city networks.

Achieved 15–25% reduction in non-revenue water (NRW)

in active utility deployments through early leak detection and pressure optimisation.

Problem

Urban water utilities in India face chronic inefficiencies. Ageing infrastructure, intermittent supply, and limited metering lead to high non-revenue water—**often exceeding 30–40%.** Utilities operate with fragmented data from pumps, valves, meters, and complaints, making it difficult to identify where losses occur or how demand varies across the network.

Climate stress compounds the problem. As water availability becomes more uncertain, utilities must do more with less—**yet most lack real-time visibility into distribution performance.** Manual audits and periodic surveys surface issues only after prolonged loss or service disruption, increasing costs and eroding public trust.

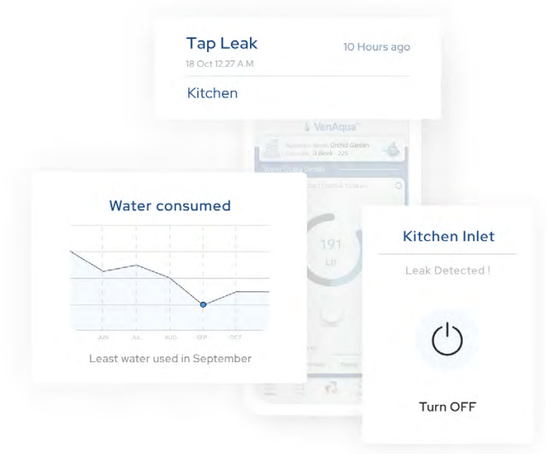
Solution

WEGoT Utility Solutions builds **AI-enabled platforms** that transform urban water distribution networks into **continuously monitored, decision-ready systems.**

The platform integrates **IoT sensors, smart meters, SCADA feeds, and operational data across the network.** Machine-learning models analyse **flow, pressure, and consumption patterns** to detect anomalies, identify likely leak zones, and forecast demand variation.

Rather than relying on static thresholds, the system learns the **normal behaviour of each network segment**, enabling early detection of deviations caused by leaks, theft, or equipment failure. Utilities receive **prioritised alerts and actionable insights**, allowing teams to intervene before losses escalate.

By providing a unified, real-time view of water distribution, WEGoT helps utilities shift from **reactive maintenance to predictive operations**, improving efficiency, reliability, and resilience under climate stress.



The App & Dashboard. | Image source: WeGot

AI-enabled intelligence for urban water systems

Founders Profile

WEGoT is based in Chennai, founded in 2015 by Vijay Krishna, Mohideen Haja, Sundeep Donthamshetty and Abilash Haridass. The founding team has worked across IoT product development, utility-scale deployments, and urban infrastructure projects, with hands-on exposure to the operational realities of water distribution networks. This experience informs WEGoT's focus on building systems that integrate with existing utility infrastructure and deliver measurable efficiency gains at city scale.

Early Stage

Raised a total funding of $6.1M

Scale

- Active deployments with municipal water utilities, including **Bangalore Water Supply and Sewerage Board (BWSSB) and Pune Municipal Corporation.**
- Technology partner to **Smart Cities Mission programmes,** supporting city-scale water pilots in **Bengaluru, Pune, Hubballi–Dharwad, and Belagavi.**
- **Integrated with leading infrastructure and IoT partners,** including **Siemens and Schneider Electric,** enabling interoperability with existing SCADA and smart-infrastructure systems.

For further details, reach out to connect@kalpaimpact.com

Yogifi

Smart AI Yoga Mat with Posture Training

HealthTech

Impact

Over 11,000+ users across 20+ countries

including India, USA and Japan.

Incubated at the Technology Innovation Hub iHub at IIT Mandi

supported under the NM-ICPS programme of the Department of Science and Technology, Government of India.

Problem

Sedentary lifestyles, long working hours, and rising stress have increased the need for **regular yoga and wellness practices** across a wide section of the population. However, for most people, integrating yoga into daily life is difficult. Fixed time classes are hard to attend, access to qualified personal instructors is limited and expensive, and many individuals do not have nearby yoga centres, especially outside major cities. As a result, people turn to online videos and digital content, which fails to provide personalised guidance or feedback. Users cannot tell whether their posture is correct, whether movements suit their body type, or if they are placing strain on vulnerable areas. It also fails to account for **differences in flexibility, balance, fitness levels, or prior injuries.** Over time, incorrect practice reduces the health benefits of yoga, increases the risk of injury, and makes it difficult to stay motivated.

Solution

Yogifi, developed by Wellnesys, turns home yoga into a guided and personalised experience using **AI powered yoga mats.** Its YogiFi smart yoga mat uses **patented sensor fabric and pressure sensors** to track posture, balance, and movement without cameras, making it non intrusive and privacy sensitive. Paired with a mobile app, the system provides real time audio, visual, and haptic feedback to help users practice correctly anytime and anywhere, acting like a personal yoga trainer at home.

The AI system analyses each user's medical history, physical limitations, goals, and progress to **recommend personalised wellness programmes** curated by certified yoga professionals, covering yoga, meditation, breathing, therapy routines, and bodyweight workouts. The platform tracks strength, flexibility, balance, and overall improvement, and integrates data from a wrist wearable to monitor activity, sleep, stress, and vitals. With added experiences like the ARIA Smart Mirror using computer vision, along with therapy programmes and interactive wellness content, Yogifi enables consistent, personalised, and engaging long term health practice.

Smart Yoga Mat | Image source : Fit Tech

Using AI to make expert yoga guidance accessible in every home

Founders Profile

Founded in 2018 by Muralidhar Somisetty, technologist turned yogi and serial tech entrepreneur driven by the vision of incorporating yoga into everyone's daily routine.

Early Stage

Funding Details
Not Available

Scale

- Serves users across **20+ countries** and has received multiple recognitions, including **Forbes India Top 100, Top Startup Award by the Ministry of AYUSH, CES Innovation Award, Dr APJ Kalam Inspiration Award, Times Health Excellence recognition, and Most Admired Brand by The Economic Times.**
- Plans to launch **lighter, more affordable versions** of its product for price sensitive markets like India and the Asia Pacific region.

For further details, reach out to connect@kalpaimpact.com

ZenteIQ

Building Scientific Foundation Model for academic and industrial research

AI Infrastructure

Impact

Developing an 8B parameter Scientific Foundation Model (SFM)

to empower the nation's industrial and scientific community.

Reduces performance prediction time

from multiple days to just a few milliseconds, **evaluating 10,000+ parameters** instantly.

Problem

Across critical industries like **energy, manufacturing, automotive, and aerospace,** innovation depends heavily on simulations to test designs and processes before building it physically. However, high-fidelity simulations are **slow, expensive, and resource intensive.** Running a single detailed simulation can take days, sometimes weeks, forcing engineers to test only a limited number of design options instead of exploring better alternatives.

In sectors where precision matters, such as fluid flows in pipelines, material behavior in manufacturing, or aerodynamic performance in aerospace, these delays directly impact efficiency, safety, and competitiveness. For Indian industries in particular, there is an added challenge of **dependence on foreign simulation** tools and cloud platforms, where sensitive scientific data and intellectual property may not remain fully under local control, which limits indigenous innovations.

Solution

Zenteiq is building **India's Sovereign Scientific Foundation Model**, a large scale AI system designed to act as an intelligent substitute for slow and expensive software simulations. The model learns from scientific and engineering data to predict outcomes quickly and accurately. It functions as an **AI-powered surrogate for traditional simulations.** The model enables deep exploration of the parametric space that governs real-world systems. The model can **explore billions of such parameter combinations** such as pressure, temperature, flow rate, or material coefficients almost instantly, helping engineers identify optimal operating windows that would be impractical to find through manual simulations.

Alongside exploration, the model provides rapid validation through **simulated physics check.** Before engineers commit to costly computation or manufacturing, the AI predicts how changes in parameters will behave and **validates them against known physical laws and manufacturing constraints.** This acts as a guardrail, reducing the risk of design failures while maintaining scientific reliability.

ZenteIQ industrial applications | Image source: ZenteIQ

Building Sovereign Scientific Foundation Model which acts as an intelligent surrogate for expensive software simulations

Founders Profile

Founded in 2022 by Sashikumaar Ganesan, a faculty member at the Indian Institute of Science (IISc). He heads the AI for Research and Engineering eXcellence (AiREX) Lab, with expertise in Scientific Machine Learning (SciML), Artificial Intelligence (AI), high-performance computing, and hardware-aware numerical methods.

Early Stage

Funding Details
Not Available

Scale

- Selected under the **IndiaAI mission** for building **8B parameter Scientific Foundation Model (SFM)**, aimed to establish homegrown AI capabilities that can support both academic and industrial research.
- The Indian government is also facilitating **access to data centres equipped with high-end GPUs** like NVIDIA H100S and H200S, ensuring that compute costs remain competitive.

For further details, reach out to connect@kalpaimpact.com

India's AI Impact Startups

Non-Profits

Armman

AI powered voice based maternal health programmes

HealthTech - Public Systems

Impact

AI technology expanded across a database of 350,000 women in India

30% improvement in retention

of women in maternity health programmes

Optimised call timing in Kilkari, leading to

up to 12% higher call pickup rates

Problem

Many pregnant women in rural and tribal areas depend on **government maternal health programmes** for guidance during pregnancy and early childcare. While these programmes deliver information through periodic voice calls or messages, irregular phone access, changing numbers, work demands, and household responsibilities lead many women to disengage over time. As a result, critical guidance on nutrition, danger signs, and newborn care is often missed, increasing the risk of preventable complications.

Despite the national scale of programmes such as mMitra and Kilkari, dropout rates have reached up to **40 percent**. Health systems lack the staff capacity to follow up individually, making it difficult to identify women who are disengaging or at higher risk. The core challenge is delivering information at scale while prioritising timely human support for those who need it most.

Solution

ARMMan, a non-profit organisation, delivers free, voice-based maternal and child health guidance through programmes like mMitra and the national Kilkari programme. Using simple weekly calls in a woman's chosen language, the system shares essential information on pregnancy, nutrition, and newborn care. To make this effective at national scale, ARMMan has built an **AI-driven engagement and prioritisation system** with support from the Google DeepMind team.

The system analyses millions of anonymised call records to understand listening behaviour, responsiveness, and drop-off patterns. Based on this, **AI models rank mothers by disengagement risk**, predict optimal call timings, and flag cases that would benefit from human follow-up. Trained on anonymised demographic and engagement data, the system enables limited call-centre and field-worker capacity to be deployed more efficiently, supporting earlier and more targeted intervention.

AI system supporting Kilkari programme | Image source : Manorama Yearbook

AI powered voice based maternal health programmes to deliver maternal and newborn care information

Founders Profile

Founded in 2008 by Dr. Aparna Hegde, an internationally recognized urogynecologist and social entrepreneur with a mission to leverage technology to provide health guidance for pregnant women, mothers and children.

Non-Profit

Scale

- Integrating with **Kilkari**, which has reached **49M+ women across 20 Indian states and UTs.**
- Helping **more women stay engaged** with essential health guidance throughout pregnancy and early childhood, which contributes to reducing preventable maternal and newborn deaths.

For further details, reach out to connect@kalpaimpact.com

Apurva.ai

Modular AI enabled digital platform that turns field conversations into decision-grade intelligence

Data/Livelihoods

Impact

Beneficiary feedback captured for national programmes,

including farmer voices for schemes such as PM-Kisan, Soil Health Cards and Organic Natural Farming, enabling scheme reviews grounded in lived experience.

Cross-programme learning enabled across institutions,

allowing organisations like SELCO Foundation, Fish Forever and Project ECHO to convert field conversations into reusable knowledge.

Faster institutional sense-making,

by organising large volumes of qualitative inputs into structured themes and patterns, reducing dependence on delayed narrative reporting.

Problem

Sita, a community mobiliser in a tribal block of Odisha, conducts weekly conversations with women farmers to understand crop failures and income stress. She records notes and audio, but once shared upward, these insights are reduced to static summaries and rarely revisited.

Across agriculture, health, livelihoods and climate programmes, institutions generate large volumes of qualitative information through field staff and community interactions. **Existing digital systems are designed for numeric indicators and forms,** not for synthesising human conversations at scale. As a result, insights remain fragmented, patterns across regions go unnoticed, and policy or programme decisions are made with limited visibility into lived experience.

Solution

Apurva.ai is a modular digital platform that **enables organisations to capture, organise and interpret large volumes of human-generated information** such as conversations, audio feedback and field notes. It allows teams to move from scattered qualitative inputs to structured, comparable knowledge that can inform programme reviews, policy design and coordination.

The platform processes text and audio inputs, including local languages, and applies machine-learning techniques to cluster related inputs, surface recurring themes and map connections across locations and time periods. Modules such as **Apurva LENS, COMPASS and THREAD** support pattern detection and knowledge continuity, while interpretation and decision-making remain fully with human teams, aligned with stated principles on transparency, privacy and responsible system use.

On ground field level conversations to understand local problems | Image Source: IDR; Courtesy Apurva.ai

Using AI to structure field-level knowledge for better decisions

Founders Profile

Apurva.ai was founded in 2023 by Anand Rajan, shaped by his experience at IBM, EkStep Foundation, and grassroots work near Hosur. Seeing how local knowledge was often ignored in decision-making, he built Apurva.ai as a public-interest AI platform to convert fragmented field insights into shared, actionable intelligence.

Non-Profit

Scale

- Deployed in **national-level initiatives** with the Ministry of Agriculture & Farmers Welfare, Government of India.
- Adopted by **SELCO Foundation, Fish Forever (RARE) and Project ECHO** across agriculture, energy, conservation and health programmes.
- Applied across **multiple Indian states and global practitioner networks**, demonstrating cross-sector reuse of a single core platform.

For further details, reach out to connect@kalpaimpact.com

ARTPARK @IISc

Hub for translating robotics research into deployable autonomous systems

AI Infrastructure

Impact

₹230 crore in public funding anchored at IISc,

building national shared infrastructure for robotics and autonomous systems under India's Cyber-Physical Systems Mission.

75,000 sq. ft. of advanced prototyping and robotics testbed infrastructure (ARTgarage)

supporting design, integration, testing, and limited manufacturing of robotic systems.

Problem

India's robotics ecosystem struggles to translate strong academic research into real-world deployment. While universities and labs produce advances in perception, control, and autonomous systems, commercialisation requires **expensive hardware labs, long testing cycles, and close industry collaboration.** Most startups and research teams lack access to shared infrastructure, and industry adoption is slow without proven real-world testing.

As a result, many **promising prototypes fail to scale beyond the lab**, and India remains dependent on imported robotics components and autonomy software. Public sector needs are weakly linked to research and startup pipelines, limiting the overall return on investment in deep-tech research.

Solution

ARTPARK creates **shared national infrastructure** to help research teams and startups move robotics and autonomous systems from the lab to real-world deployment. It integrates applied research, startup incubation, and industry collaboration within a single framework, reducing the cost and risk of building complex robotic systems.

A core pillar is **CAMRAS (Centre for Advanced Manufacturing and Robotics Systems)**, an industry-facing accelerator focused on critical subsystems such as sensors, actuators, control electronics, navigation software, and autonomy stacks. Through shared facilities like **ARTgarage**, teams access advanced prototyping, system integration, and testing environments, enabling faster iteration from algorithms to hardware-in-the-loop validation and field deployment aligned with public sector and industry needs.

CAMRAS space | Image source: artpark

End-to-end infrastructure for robotics and autonomous systems

Founders Profile

ARTPARK was conceived and established in **2020** by a founding consortium led by the **Indian Institute of Science**, and is institutionally **backed by the Department of Science & Technology and the Government of Karnataka under the National Mission on Interdisciplinary Cyber-Physical Systems**. It was created to bridge a critical gap between India's world-class academic research and real-world societal impact, with a focus on building and deploying AI & robotics technologies for large-scale public good.

Non-Profit

Scale

- **₹78.4 crore invested by the Ministry of Heavy Industries (MHI)** to support robotics and manufacturing-focused innovation, under which **six pre-venture teams were incubated.**
- Industry and institutional partnerships with organisations such as **Bosch, Google, Flipkart and IIT Kanpur, CDAC, etc.**

For further details, reach out to connect@kalpaimpact.com

BharatGen

India's sovereign multimodal AI initiative for inclusive, multilingual artificial intelligence

AI Infrastructure

Impact

Expands linguistic access for non-English users

by building foundation models where ~25% of training data is Indic-language content, compared to a mere 0.01% in models like Meta's Llama, significantly improving accuracy and usability in Indian languages.

Improves public-service AI reliability

through domain-specific BBL (Bhasha Bench) evaluation on 15,000+ contextual questions 270+ topics across agriculture, finance, and traditional medicine, ensuring models understand local realities.

Lowers entry barriers for Indian startups and researchers

by releasing open foundational models and datasets, enabling downstream applications without the multi-million-dollar cost of training base models from scratch.

Problem

Ragini, a rural resident in Odisha, struggles to access digital services that speak her language; most AI assistants work only in English or Hindi, leaving her unable to interact with governance platforms or educational content in her mother tongue. This linguistic exclusion limits access to critical information and services for millions of Indians across states and dialects.

At a systemic level, global AI models are predominantly trained on English-centric data, ignoring the **1.4 billion population's 22 official languages and thousands of dialects**, which severely under-represents India's linguistic and cultural diversity. Without foundational AI built around local languages and knowledge systems, digital inequities persist in governance, education, healthcare, agriculture, and justice.

Solution

BharatGen is a **government-backed multimodal AI initiative** building foundational large language and multimodal models explicitly trained on India-centric datasets, encompassing text, speech, and vision. Hosted at **IIT Bombay under DST/NMICPS,** the consortium includes leading academic partners and industry collaborators to ensure models capture linguistic nuances and cultural contexts often missed by generic global AI systems.

The initiative develops advanced modules for **text generation, automatic speech recognition (ASR), text-to-speech (TTS), and multimodal interpretation**, with early applications such as **Krishi Saathi (AI farm guidance) and e-VikrAI (seller support).** BharatGen also builds the Bharat Data Sagar, a massive India-centric dataset, and fosters an ecosystem of open resources, research, and tools that public and private developers can leverage for inclusive AI adoption.

BharatGen AI Ecosystem | Image Source: BharatGen

Sovereign, India-centric foundational AI models and ecosystem

Founders Profile

BharatGen is led by a consortium anchored at **IIT Bombay's Technology Innovation Hub, with Prof. Ganesh Ramakrishnan and Rishi Bal** steering the initiative. Supported by the **Department of Science & Technology (DST)** under the **National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)**, BharatGen brings together academic experts and institutional partners from IITs, IIITs, and IIMs to build sovereign AI infrastructure focused on inclusivity, language diversity, and public value.

Non-Profit

Scale

- **Global enterprise client base with over 40+ enterprise customers including Samsung, Zomato, Swiggy, Vivo, and Mobile Premier League**, using personalized video for marketing and engagement campaigns across industries.
- Deployed in **customer engagement, marketing, sales outreach, and campaigns** that span sectors from retail and entertainment to sports and travel, with adoption extending into US and Indian markets and integrations with major platforms and CRMs.

For further details, reach out to connect@kalpaimpact.com

Civis

Digital infrastructure for participatory lawmaking and responsive governance

GovTech

Impact

1,349 public consultations

created on Civis, embedding structured citizen participation into formal lawmaking and policy processes.

41,889 responses submitted,

demonstrating the platform's ability to handle large volumes of public input.

21,329 citizens engaged,

widening access to policymaking beyond traditional consultations and expert committees.

Problem

Public consultation is a legal and democratic requirement in India, yet its execution has not kept pace with scale or complexity. Since the Ministry of Law and Justice encouraged opening draft laws for citizen feedback in 2014, governments have been expected to consult widely before finalising legislation. In practice, however, consultations still rely on emails, letters, and unstructured submissions that are difficult to process.

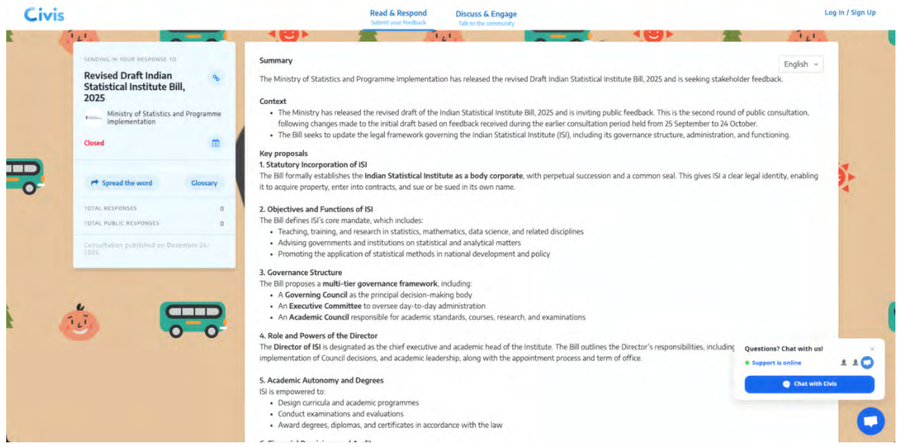
For policymakers, the core challenge is **capacity, not intent.** Modern consultations generate thousands of written and voice submissions across languages, formats, and geographies. Manually analysing this material is slow and resource-intensive, and rarely feasible within policy timelines. As a result, citizen feedback is often under-analysed or omitted altogether, reducing accountability and the quality of lawmaking despite high levels of participation.

Solution

Civis' solution combines a structured consultation platform with **explicit AI components designed for time and resource optimisation**. Draft laws are first processed through an **AI-based policy draft analyser**, which uses named entity recognition and clause-mapping to break complex legal text into analysable sections. This ensures citizen feedback can be tied directly to specific provisions rather than submitted as undifferentiated commentary.

Citizen responses are submitted as text or voice which are then analysed using a **response analysis pipeline** that applies reasoning and summarisation models, retrieval-augmented generation, and re-ranking to cluster inputs, surface recurring themes, and highlight areas of agreement or concern. Multilingual voice submissions are processed using speech-to-text models, enabling participation beyond written formats.

The result is not automated decision-making, but **decision-ready synthesis:** governments receive structured insights that make large-scale public consultation usable within real policy timelines, while preserving transparency and traceability of citizen voices.



Active consultation page on Civis | Image source: civis.vote

AI-enabled consultation management at government scale

Founders Profile

Founded by Antara Vasudev, an Ashoka Fellow, in 2017. Her experience across law, policy, and civic technology aligns closely with Civis' mission to strengthen participatory governance.

Non-Profit

Scale

- **Supported by leading philanthropic and civic institutions, including the Lal Family Foundation, Rohini Nilekani Philanthropies, SVP India, and Tata Trusts,** reinforcing long-term commitment to participatory governance.
- **40+ government-partnered consultations supported,** including the Maharashtra State Innovation Society, Government of Maharashtra, and others.
- Demonstrated policy influence, with **32%–76% of citizen feedback accepted** in various draft laws and policies.

For further details, reach out to connect@kalpaimpact.com

I-STEM

AI-enabled interfaces designed for accessible learning, skilling, and employment.

EdTech

Impact

50,000+ persons with disabilities reached
through accessible education, skilling, and employment services.

2.3 million+ pages converted
into accessible formats, including screen-reader-friendly text and audio.

18,000+ jobs accessed
through the platform and partner ecosystem.

INR 1.25+ crore in collective earnings generated
through accessibility-enabled digital work and employment programmes.

Problem

For Anjali, a visually impaired postgraduate student in Hyderabad, everyday academic work depended on external help. Course materials were rarely available in accessible formats, and converting PDFs or textbooks took time and effort. Applying for internships and jobs was even more difficult, as many online portals were incompatible with screen readers and assessments were not designed with accessibility in mind.

Anjali's experience reflects a broader challenge across India. Many digital platforms used for education, employment, and public services are not built for persons with disabilities, making routine tasks difficult or impossible without assistance. Exclusion stems not from lack of ability, but from **inaccessible digital design, widening gaps in learning, livelihoods, and economic participation.**

Solution

I-STEM enables persons with disabilities to independently access **study materials, training resources, and job opportunities** that are often inaccessible. Users interact with the system through **accessible channels such as a website, WhatsApp, or IVR**, without needing **specialised software or assistive devices**. This allows access even through **basic mobile phones or shared devices**.

Users can upload or share **PDFs, scanned documents, webpages, or forms. AI models analyse content structure and text,** converting it into **screen-reader-friendly text, audio, and easy-to-navigate formats.** As a result, **academic material, application forms, and assessments** become usable without external help. Through its inclusive system, **N-clude, I-STEM also provides access to textbooks, job listings, career guidance, assistive-technology information, and digital work opportunities**. Multi-channel delivery through web, WhatsApp, and IVR ensures reach even for users **without smartphones or broadband connectivity**, supporting sustained participation in education and employment.

Overview of I-STEM's AI-enabled platform | Image source: I-STEM

Using AI to support learning and employment for persons with disabilities

Founders Profile

I-STEM was launched in 2020 as a **Government of India–supported national initiative under the Office of the Principal Scientific Adviser (PSA) to the Government of India**. The platform is institutionally anchored rather than founder-led, and is developed in collaboration with academic institutions, public agencies, and ecosystem partners to improve access to education, skilling, and employment through inclusive digital infrastructure.

Non-Profit

Scale

- **Disability-first digital platform** operating across **15 Indian states.**
- Delivered through **multi-modal access channels** including **web, WhatsApp, IVR, and mobile,** ensuring reach beyond smartphone and broadband users.
- Covers both **education and employment,** alongside **community capacity building.**

For further details, reach out to connect@kalpaimpact.com

Karya

Generating sustainable livelihoods through ethical AI data work in rural India

Wellness Tech

Impact

50,000+ rural workers engaged across 24 Indian states with nearly **90% from marginalised communities**, creating dignified, home-based digital livelihoods.

30+ Indian languages and dialects represented

in datasets, improving fairness and accuracy of AI systems trained on Indian contexts.

USD 800,000+ distributed as direct wages

strengthening household incomes and digital participation in rural regions.

Problem

AI systems used globally struggle to understand Indian languages, accents, dialects, and cultural context due to severe under-representation in training data. This leads to biased, inaccurate, or unreliable AI outcomes for Indian users.

At the same time, rural India remains largely excluded from the digital economy. Millions lack access to flexible, dignified work that does not require advanced education or infrastructure. Traditional data-collection pipelines often pay poorly, lack transparency, and treat contributors as disposable labour. The result is a dual failure: **AI systems remain inaccurate for India, and rural communities remain locked out of meaningful digital livelihoods.**

Solution

Karya provides a full-stack platform that enables rural workers to create **high-quality, ethically sourced datasets** required to train modern AI systems. Using basic Android smartphones, contributors complete microtasks such as speech recording, text annotation, translation validation, and image classification.

A core innovation is Karya's **"earn once, benefit forever" royalty model**. Workers receive upfront payment for each task and continue to earn royalties whenever their data is reused or licensed. This transforms data work from one-time labour into a **recurring, asset-like income stream**, ensuring contributors share in the long-term value their data creates.

Designed for low-infrastructure environments, the platform enables rural women, youth, and first-time digital workers to participate safely and independently.

Karya's Platform Interface | Image source: World Summit Awards

Using AI data creation to build inclusive livelihoods

Founders Profile

Karya was founded in **2021 by Manu Chopra, Vivek Seshadri, and Safiya Husain**, combining experience in **AI systems and research (Microsoft, Stanford, CMU)** with deep work in **education and social-impact initiatives** and came together with a shared mission to build **ethical data infrastructure** that both improves AI inclusion and creates **long-term digital livelihoods** for underserved communities.

Non-profit, Google & Nudge Foundation as Grant Supporters

Scale

- Partnerships with **200+ nonprofits, government programs, and rural networks** enabling deployment across villages, schools, and women's collectives.
- Datasets used by organisations including **Government of India, Google, Microsoft, Ola, and Zoho**.
- Early expansion into **Africa**, with pilots in Ethiopia supporting speech data creation in local languages.

For further details, reach out to connect@kalpaimpact.com

KhushiBaby

AshaBot, AI powered chatbot for ASHA health workers

HealthTech - Public Systems

Impact

Used by 3,000+ ASHA workers

across multiple districts in Rajasthan

Processed 30,000+ messages, with up to 20 queries per worker per day

Helps with routine topics

like immunisation and breastfeeding to sensitive social issues such as contraception, child marriage, and family conflict.

Problem

In rural Rajasthan, Mani Devi, an ASHA worker, noticed a newborn was not gaining weight. She sensed something was wrong but struggled to judge the severity or determine the right advice during her field visit. **Without immediate access to doctors or updated guidelines**, she relied on past experience, leaving her uncertain about when and how to escalate the case.

ASHA workers are the backbone of India's rural health system, supporting maternal and child health, immunisation, nutrition counselling, and disease surveillance. Yet they operate with limited digital tools and infrequent training updates. Government guidelines change often, expert access is scarce in rural areas, and even small delays or uncertainty can affect timely care for pregnant women and infants.

Solution

AshaBot, developed by the non-profit Khushi Baby, acts as an **AI-powered digital assistant for ASHA workers via WhatsApp**. Designed for low-end smartphones and low-bandwidth settings, it allows frontline workers to resolve queries instantly during fieldwork without relying on supervisors or printed manuals, improving confidence and reducing delays in decision-making.

Built using technology open sourced by **Microsoft Research** and fine tuned with doctors and public health experts, AshaBot uses **GPT-4** connected to a curated knowledge base of around **40 authoritative documents from the Indian government, UNICEF, and other health bodies.** ASHA workers can ask questions using text or voice notes in **Hindi, English, or Hinglish,** and receive responses in both text and voice. When the system is unsure, **queries are escalated to nurses** instead of guessing, ensuring accuracy and trust, while voice responses help workers communicate sensitive topics clearly within communities.

AshaBot Whatsapp-based chat | Image source : Microsoft

AI voice first multilingual hiring technology for frontline workers

Founders Profile

Khushi Baby is a digital health non-profit organization, founded in 2014 by Ruchit Nagar and Mohammed Shahnawaz, with experiences across critical care pediatrics, health systems and ML for global health and public health research.

Non-Profit

Scale

- Vision to reach **over 10 lakh ASHA workers across India** that cater to the millions of people in rural areas
- Expanding technical capabilities with **personalization options, multimodal support like image inputs, and parallel LLM agents.**
- Drawing interest from global health policy makers in **Africa, Southeast Asia, and Latin America.**

For further details, reach out to connect@kalpaimpact.com

Open Links Foundation

AI-enabled teacher support for activity-based learning in public school systems

EdTech

Impact

185,000+ teachers engaged

across **55,000+ government schools,** using Vinoba to support lesson planning and classroom instruction

4 million+ students reached

through classroom adoption of activity-based and competency-aligned teaching practices.

District deployments, including

Pune Zilla Parishad,

show measurable improvements in foundational literacy and numeracy, alongside reduced teacher preparation time.

Hundreds of thousands of teacher-hours saved

through automated lesson planning and reporting, allowing more time for instruction and student engagement.

Problem

For Riya, a government school teacher in a rural block, lesson planning means managing large, multi-grade classrooms with limited teaching materials. While curricula increasingly emphasise activity-based learning and critical thinking, teachers like Riya lack the time and support to translate these goals into daily classroom practice. Professional development opportunities are limited, and structured career guidance for students is often absent.

This challenge is widespread across India. Despite policy shifts toward competency-based education, many teachers lack simple, contextual tools to design engaging lessons and adapt content to diverse student needs, contributing to uneven learning outcomes across schools.

Solution

Open Links Foundation integrates **AI and behavioural science into Vinoba**, a teacher-facing digital app designed to support everyday classroom instruction. Using **AI and large language models**, Vinoba helps teachers generate **multi-level lesson plans, activity-based exercises, and critical-thinking content**, tailored by subject, grade, and classroom context.

The system continuously refines suggestions based on **teacher inputs and usage patterns, supports multilingual content**, and works in **low-bandwidth environments**. Vinoba also includes **AI-enabled career awareness and guidance content for students in rural areas.** By embedding AI into an app teachers already use, the solution improves classroom quality without adding administrative burden or requiring new infrastructure.

Screenshot of the Vinoba app's teacher interface for generating lesson plans and classroom activities | Image Source: Vinobha App

AI-enabled classroom support for government school teachers

Founders Profile

Open Links Foundation was founded in **2017 by Sanjay Dalmia,** an education and social impact leader who took early retirement from the corporate sector to establish the foundation with a mission to improve the quality of education in government schools in India.

Non-Profit

Scale

- Deployed across **multiple Indian states**, including **Maharashtra, Chhattisgarh, Madhya Pradesh, and Bihar**, with active use in dozens of districts.
- Scales through **existing teacher networks and government school systems,** rather than parallel delivery structures.
- Designed as a **lightweight, district-deployable digital layer,** supporting expansion without major infrastructure or training overheads.

For further details, reach out to connect@kalpaimpact.com

OpenNyAI

Open-source AI infrastructure enabling multilingual access to justice and public services

Justice Tech

Impact

Enables access to legal and welfare information in 10+ Indian languages,

reducing reliance on English-only systems and intermediaries for understanding rights and entitlements.

Accelerates civic-tech deployment,

allowing public institutions and nonprofits to launch citizen-facing tools in weeks instead of months.

Strengthens trust in digital governance,

through open, auditable AI models used in justice and public service contexts.

Problem

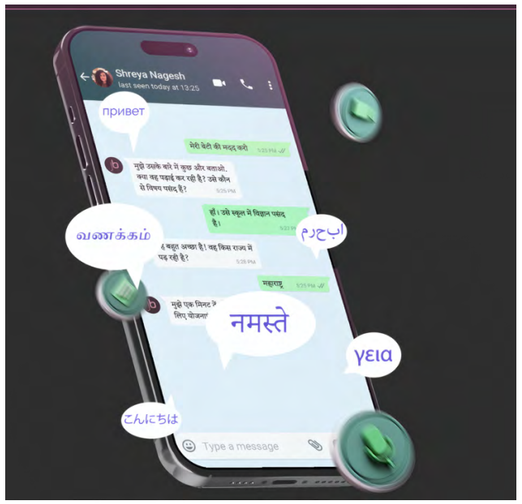
Millions of citizens struggle to understand legal notices, welfare entitlements, and government communications because information is delivered in **dense legal language and English-first formats**. Gaining clarity often requires repeated visits to lawyers, translators, or clerical intermediaries, adding cost, delay, and dependency.

At a systemic level, India's justice ecosystems are constrained by **linguistic diversity, legal complexity, and information asymmetry**. Legal and administrative communication is designed for professionals rather than citizens, excluding large sections of the population from understanding laws, accessing schemes, or navigating grievance redressal mechanisms.

Solution

OpenNyAI is an **open-source AI digital public good** that provides foundational language and speech models for Indian languages. Developed as shared digital infrastructure, it offers reusable AI building blocks that governments, nonprofits, startups, and developers can integrate into their own applications, enabling citizen-facing justice and governance tools without each institution having to build core AI systems independently.

A flagship application built on this stack is **Jugalbandi**, a multilingual assistant that helps citizens access government schemes, public services, and official information through text and voice in Indian languages. Under the hood, OpenNyAI includes components such as **Aalap** for speech-to-text across Indian accents, **Jive** for Indian-language text-to-speech, **Khoj** for cross-lingual semantic search, and retrieval-augmented pipelines that ensure responses are grounded in verified government sources.



A multilingual chatbot built with jugalband | Image source : OpenNyAI

Using open AI infrastructure to make public systems language-accessible

Founders Profile

OpenNyAI is stewarded by **Agami**, a Bengaluru-based nonprofit **founded in 2018 by Sachin Malhan and Supriya Sankaran**, focused on systemic reform of law and justice in India. Sachin brings deep experience in building legal education and justice innovation platforms through ventures like Law School Tutorials and Rainmaker, with a strong emphasis on community-led system change. Supriya contributes frontline legal and regulatory experience from capital markets and corporate law, grounding Agami's work in practical institutional reform and cross-sector collaboration.

Non-Profit (Open Source)

Scale

- Enabled **millions of citizen interactions** through multilingual assistants such as Jugalbandi across governance and welfare platforms, including WhatsApp-based public service interfaces.
- Supports a growing global community of developers and researchers reusing **open legal NLP pipelines and Indian-language AI models.**

For further details, reach out to connect@kalpaimpact.com

PUCAR

Reimagining court administration through AI assisted analytics and data driven open digital justice systems.

Justice Tech

Impact

Screened over 200,000 children

with pilot courts reducing filing timelines to **under 3 days compared to typical 7–10 day offline processes.**

Lower citizen burden,

as online filing and digital access reduce repeated physical court visits for procedural submissions and status tracking.

Improved transparency and predictability,

with real-time case visibility reducing uncertainty on intermediaries for basic court information.

Problem

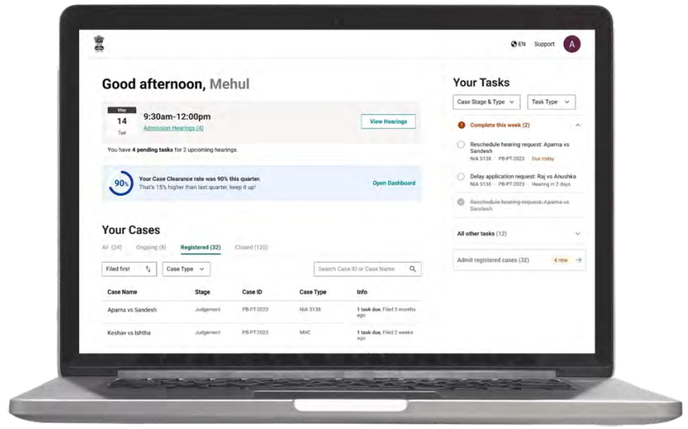
Rekha, a widow in Patna, filed a compensation claim after her husband's fatal road accident, expecting a time-bound process. Instead, missing records, repeated adjournments, and opaque procedures stretched the case into years, forcing frequent court visits, lost wages, and delayed relief.

This reflects a broader systemic issue. **India's courts face over 5 crore pending cases,** many high-volume, low-value disputes. Largely manual and fragmented court administration creates bottlenecks in filing, scheduling, and tracking, leading to delays, rising indirect costs for citizens, and declining trust in the justice system.

Solution

PUCAR operates as a public collective and design partner to courts and governments, applying **data-driven system design and AI-assisted analytics** to improve how disputes are filed, administered and tracked. Rather than owning proprietary software, it co-creates open, interoperable digital systems governed by public institutions, ensuring reuse without vendor lock-in while preserving judicial independence.

A key outcome is **DRISTI**, a digital court workflow platform built on the open-source DIGIT public digital infrastructure developed by the eGov Foundation. DRISTI digitises core administrative processes such as case filing, document management, scheduling and tracking. AI-assisted analytics are used to surface patterns in case pendency, workflow delays and administrative bottlenecks, supporting better planning and resource allocation by registries and judges. All adjudication remains with the judiciary, with technology limited to administrative and decision-support functions.



DRISTI platform | Image source: DRISTI by PUCAR eGov Foundation

Using AI to strengthen court administration and dispute workflows

Founders Profile

PUCAR operates as a public-interest collective anchored by **Agami (founded in 2018)** in close collaboration with the eGov Foundation, bringing together legal experts, technologists, policy practitioners, and court system stakeholders. The initiative is supported by a network of **100+ contributors** across law, governance, digital public infrastructure, and civic technology, working together to redesign court administration and dispute systems through open, reusable digital infrastructure.

Non Profit
(Public Collective)

Scale

- **Implemented through the 24×7 OnCourt programme** in partnership with the High Court of Kerala, embedding digital workflows into live court operations.
- **Built on DIGIT public digital infrastructure**, enabling reuse across courts and states without vendor lock-in. Ecosystem-led scale, with 100+ contributors across law, technology, governance and civil society engaged through working groups and learning circles.

For further details, reach out to connect@kalpaimpact.com

RightWalk Foundation

Conversational AI guiding youth from education-to-employment journey

EdTech

Impact

100,000+ young people across Uttar Pradesh, Maharashtra, Gujarat, and Kerala

receive personalised guidance on skilling, apprenticeships, and early employment pathways through Chatur AI.

70 percent reduction in per-apprentice recruitment costs,

achieved by replacing manual outreach, follow-ups, and counselling with AI-led communication.

Enables continuous, low-cost career navigation

at the critical education-to-employment transition, reducing drop-offs caused by lack of timely guidance.

Problem

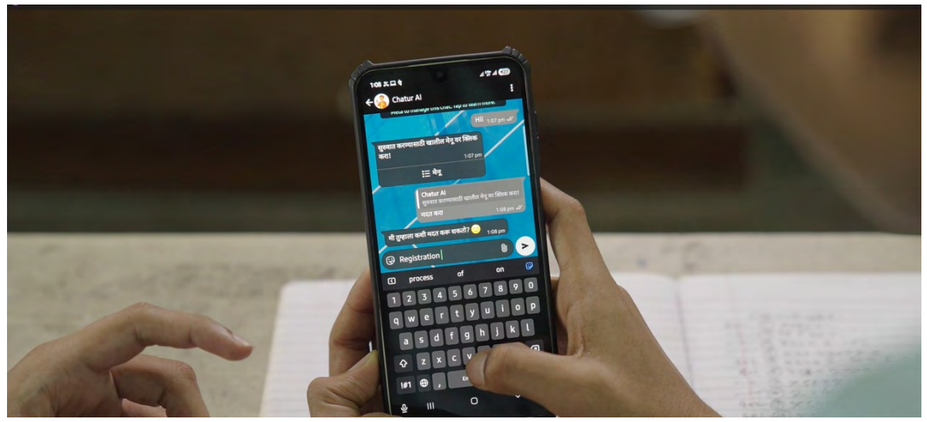
For Suresh, a 19-year-old student from a semi-urban town, finishing school brought more confusion than clarity. As a first-generation learner, he faced conflicting advice about college and work, with little understanding of vocational options, apprenticeships, or how industries actually hire. **Career websites were overwhelming, and professional counselling was often inaccessible.**

Suresh's experience reflects a **wider systemic gap.** Millions of young people transition from education to employment **without structured, personalised guidance.** Schools are rarely equipped to offer labour-market-aligned career navigation, leading to skill mismatches, underemployment, and prolonged job searches.

Solution

RightWalk Foundation developed **Chatur AI**, a **multilingual, WhatsApp-first conversational AI system** designed to make career guidance accessible at scale. Instead of in-person counselling or complex portals, young people interact with the system through simple chat-based conversations in languages they are comfortable with.

Through structured dialogue, the AI captures a user's education level, interests, constraints, and aspirations, and maps them to **realistic pathways** including vocational training, apprenticeships, skilling programmes, and entry-level job roles relevant to the user's location. Chatur AI integrates information from partner institutions, employers, and public systems, guiding users step by step through eligibility, documentation, and application processes, and refining guidance as users gain skills or experience.



Chatur AI's WhatsApp chat interface guiding users through skilling and apprenticeship options in their preferred language | Image Source: RightWalk

Conversational AI supporting youth from education to employment

Founders Profile

RightWalk Foundation was founded in **2017 by Samina Bano**, a tech-turned-policy entrepreneur with experience across technology, consulting, and social impact, focused on improving education-to-employment outcomes for youth and vulnerable populations in India.

Non-Profit

Scale

- Embedded within **state-level apprenticeship and youth programmes**, enabling delivery through existing public and partner ecosystems.
- Rolled out at the **programme level**, allowing large youth cohorts to be reached without creating parallel counselling infrastructure.
- Designed for **replication across states and programmes** with minimal marginal cost.
- Scales through **institutional partnerships**, aligning expansion with public skilling and employment systems.

For further details, reach out to connect@kalpaimpact.com

Wadhwani AI

Purpose built AI to strengthen public service delivery

HealthTech - Public Systems

Impact

144+ million people covered
through AI-enabled public health programmes across India.

Shishu Mapan
deployments embedded within **ICDS and allied nutrition programmes** across states including Maharashtra, Uttar Pradesh, Odisha, Karnataka, Rajasthan, and Madhya Pradesh.

Supports early identification of stunting, wasting, and developmental delay
across populations covered by state-run nutrition systems.

AI outputs are used strictly as **decision-support,** with final actions taken by Anganwadi workers and supervisors within existing programme mechanisms.

Problem

For Sunita, an Anganwadi worker in a rural block, monitoring the health of dozens of young children is part of daily work. She records height and weight measurements and counsels families, but with **paper registers and single-point measurements,** it is hard to see patterns over time. Subtle warning signs, such as **gradual growth faltering,** are easy to miss until malnutrition becomes severe.

This challenge extends across India's public service delivery systems. Frontline workers **collect large volumes of data, but lack tools that translate this data into early warnings.** As a result, systems remain reactive, identifying risks only after outcomes worsen, whether in child nutrition, education, or disease detection, when intervention is harder and less effective.

Solution

Wadhwani AI builds **mission-focused AI solutions** that analyse data already collected by public systems to help frontline workers **identify risk early and prioritise action.** These tools do not replace human judgment; they function strictly as **decision-support**, surfacing interpretable risk patterns while final decisions remain with programme staff.

Key solutions include **Shishu Mapan**, which analyses child growth trajectories over time to flag early risk of stunting, wasting, or developmental delay; **Oral Reading Fluency**, which uses speech AI to identify foundational literacy gaps; and **Cough Against TB**, which applies audio-based AI to prioritise individuals for further TB screening. All deployments operate under government-approved workflows, comply with India's **Digital Personal Data Protection Act, 2023**, and include human-in-the-loop oversight.

Cough Against TB screening | Image source: Wadhwani AI

AI decision support that helps frontline workers identify risk early

Founders Profile

Wadhwani AI, established in 2018, was created under the **Wadhwani Foundation, founded by Romesh Wadhwani,** a Silicon Valley entrepreneur and philanthropist known for building large-scale technology enterprises such as Symphony Technology Group. Drawing on the Foundation's long-standing work across education, skilling, and healthcare, Wadhwani AI was set up as a non-profit research and implementation organisation to apply AI to public systems at population scale, working closely with government partners across health, education, and public service delivery.

Non-Profit

Scale

- Implemented **within existing government programmes**, including **ICDS**, through partnerships with central and state governments.
- Active across **multiple high-population states**, embedded into frontline workflows rather than standalone platforms.
- Scales by analysing **routine programme data already collected** by Anganwadi centres, teachers, and health workers.
- State governments retain **data ownership and decision authority**, ensuring transparency and accountability.

For further details, reach out to connect@kalpaimpact.com

Kalpa Impact

Accelerating sustainable development through technology and creative solutions

Climate Resilience

We work on climate adaptation and resilience, air quality, clean energy, sustainable urban development, and Low Emission Development Strategies (LEDS)

- LEDS Research and Action Platform
- Sustainable Living Investment Thesis
- The Air We Breathe

Human Development

We have experience in education, livelihoods, gender-lens investing, health systems, and sports for development

- Women Smallholder Farmers
- Unlocking Livelihoods

Inclusive Digital Futures

We have worked across 25 countries with expertise in DPI, responsible tech, AI for public interest, and digital governance

- DPI Use Cases Explorer
- AI-based Listening for Impact Measurement
- DPI Exemplar Stories
- Country Maturity Framework
- AI Digital Strategy for Clean Air
- Strategy and Operating Model of CoE

Kalpā Impact

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भारत 2026 INDIA

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WELFARE FOR ALL | HAPPINESS OF ALL

India's AI Impact Startups

A compendium of 100+ startups and nonprofits delivering population scale impact

Kalpā Impact