



AI Pulse

August 2025

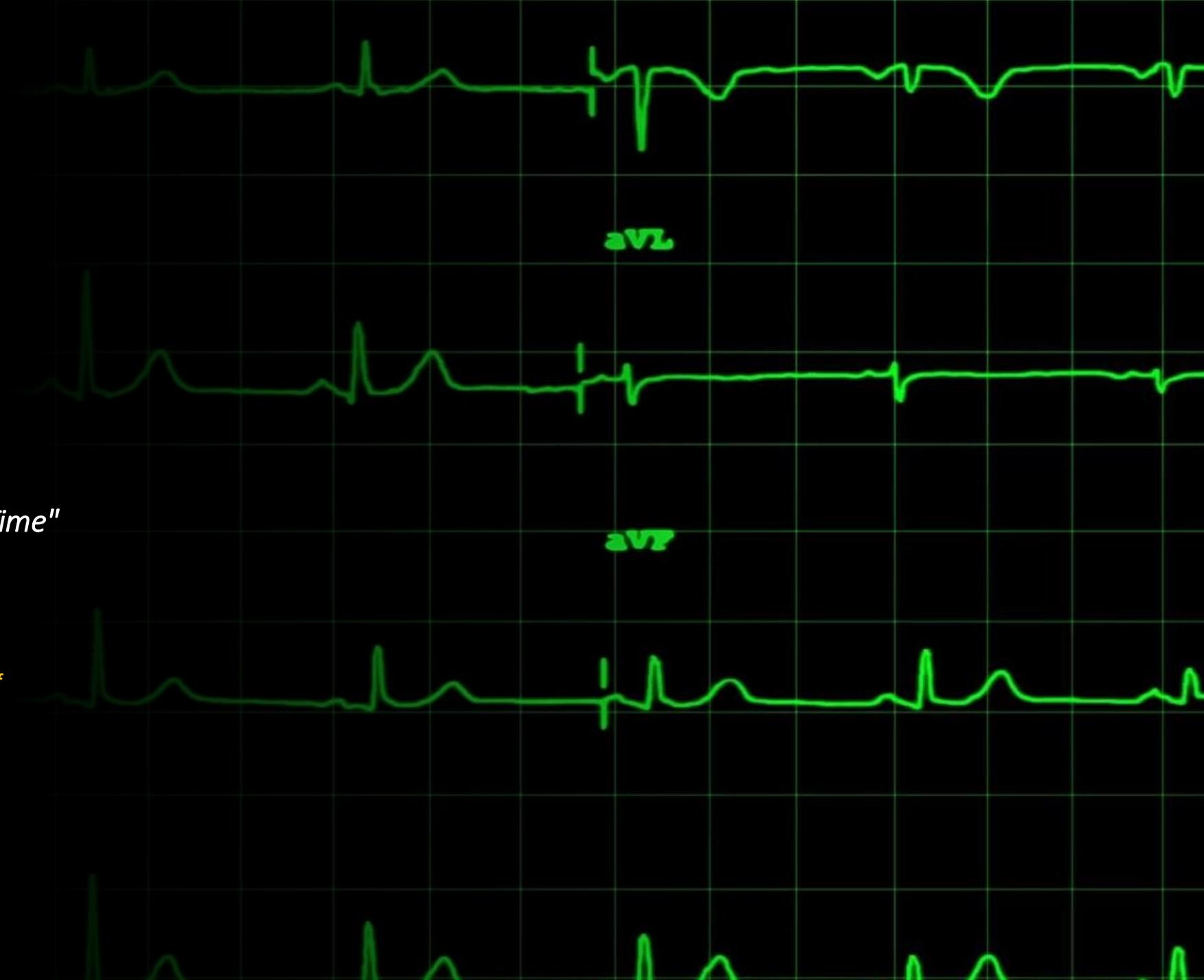
"Demystifying AI, One Update at a Time"

AI Pulse is brought to you with the best compliments of

Er. Prof. Adv. Rtn. G. Surender Reddy

National Convenor

Me@AI India Initiative



EDITORIAL

AI for Bharat: Balancing Progress with Prudence

Dear Readers,

As India celebrates its 78th Independence Day, the AI revolution stands at a pivotal juncture—shaping our nation’s future with unprecedented opportunities and challenges. This edition of *AI Pulse* captures the dynamism of AI’s evolution, from groundbreaking innovations to urgent ethical debates.

The past month has seen India’s AI ecosystem flourish:

ISRO’s AI-powered satellite launch promises real-time climate monitoring for farmers.

Kerala’s AI-driven local governance wins global acclaim for streamlining welfare schemes.

Yet, controversies like **AI-generated deepfake election campaigns** remind us that technology must serve democracy, not undermine it.

Globally, the EU’s **AI Accountability Act** and OpenAI’s **o5-model leak** have sparked discussions on transparency. Meanwhile, Indian startups like **Krutrim AI** and **Stable Diffusion Bharat** are proving that homegrown solutions can rival global giants—when rooted in inclusivity and ethics.

As Dr. Anandi Patel (IIT Madras) notes in this issue, *“AI’s true test isn’t intelligence but integrity.”* Let’s champion a future where innovation uplifts every citizen—bridging divides in education, healthcare, and opportunity.

Warmly,

Dr. D. Samarender Reddy, Editor

GLOBAL TRENDS

1. OpenAI's o5-Model Leak Exposes Governance Gaps

A leaked internal document revealed that OpenAI's unreleased **o5-model** achieved AGI-like reasoning but was shelved due to “uncontrollable bias risks.” The leak ignited debates about corporate transparency, with the EU accelerating its **AI Accountability Act** to mandate third-party audits for advanced models.

Why it matters: The incident underscores the need for global cooperation in AI governance—a lesson for India's upcoming **Digital India Act 2025**.

(Source: The Guardian, July 28, 2025)

GLOBAL TRENDS

2. AI-Powered “Smart Villages” Transform Africa

Google DeepMind’s partnership with Rwanda has deployed **AI microgrids** and **Swahili-language LLMs** to optimize agriculture and healthcare in remote areas. The project, dubbed “**Uhuru AI**,” could inspire India’s rural tech missions.

Key takeaway: Low-cost, vernacular AI tools are key to inclusive growth.

(Source: BBC Future, July 20, 2025)

GLOBAL TRENDS

3. The Rise of “AI Whisperers” – A New Job Category



LinkedIn reports a **300% surge** in roles for **AI trainers** who fine-tune models for industries like law and healthcare. Companies now value “soft skills” (empathy, ethics) as much as technical prowess.



India angle:
Bengaluru’s **UpSkill AI Academy** is pioneering courses in regional languages to democratize access.



(Source: WEF Labour Report, August 2025)

INDIA SPOTLIGHT

1. ISRO's AI Satellite "KalamEye" Launched for Farmer Welfare

India's first **AI-integrated satellite** now provides real-time crop health alerts and pest predictions to farmers via WhatsApp in 12 languages. Early trials in Maharashtra reduced pesticide use by **40%**.

"This is Digital Krishi in action—AI for the last mile."

— **Dr. S. Somanath, ISRO Chairman**

(Source: The Hindu, August 5, 2025)

INDIA SPOTLIGHT



2. Kerala's AI Governance Model Goes Global



Thiruvananthapuram's "**AI-Jan Seva**" platform uses chatbots and predictive analytics to streamline ration distribution and grievance redressal. The UN has invited Kerala to advise on its **AI for SDGs** initiative.



Why it matters: A blueprint for other states to harness AI without exclusions.



(Source: Manorama Online, August 1, 2025)

INDIA SPOTLIGHT

3. Krutrim AI's Breakthrough in Affordable LLMs

Ola's AI arm unveiled **Krutrim Lite**—a Hindi-English LLM costing **1/10th** of GPT-5's API fees. Already adopted by **Chhattisgarh's education department** for teacher training.

Data point: India's vernacular AI market to hit **\$5B by 2026** (NASSCOM).

(Source: Economic Times, July 25, 2025)

ETHICS & POLICY

1. Deepfake Elections: SC Mandates AI Watermarking

Following AI-generated campaign videos of PM Modi and Rahul Gandhi, the Supreme Court ruled that all political content must carry **“AI-generated”** labels. The Election Commission is piloting blockchain verification.

Expert view: “Democracy must not be outsourced to algorithms.”

— **Prashant Bhushan, SC Advocate**

(Source: Indian Express, August 10, 2025)

ETHICS & POLICY

2. “AI Sati” Controversy: Tackling Algorithmic Bias

A viral case revealed that a Gujarat matrimony app’s AI **reinforced caste preferences**. The National AI Taskforce has drafted guidelines to audit discriminatory datasets.

Solution: “**Bias Bounties**”—cash rewards for reporting flawed AI outputs.

(Source: Scroll.in, July 30, 2025)

ETHICS & POLICY

3. Women in AI: India Crosses 30% Representation

Due to initiatives like **STEM4Her** and **Google's Women-in-AI Grants**, India now surpasses the global average (22%) in female AI professionals.

Spotlight: **Dr. Nivruti Rai** (Intel India) leads a coalition to fund 1,000 women-led AI startups by 2026.

(Source: Forbes India, August 8, 2025)

CLOSING
NOTE

“AI is India’s Astra—a tool for empowerment, not exclusion. Let’s wield it wisely.”

— Er. Prof. Adv. Rtn.
G. Surender Reddy