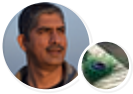


Empowering AI-India

Building a Self-Sufficient AI Ecosystem



Yogesh Haribhau Kulkarni (PhD)

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In the ever-evolving landscape of technology, Artificial Intelligence (AI) has transitioned from a mere trend to an indispensable part of our daily lives. While major AI innovations have often originated from countries like the United States, it is crucial for India not only to adopt AI but also to emerge as a key developer of AI. In this Medium story, I delve into the need for India to build its own AI ecosystem, emphasizing the importance of data, inclusivity, and self-reliance in the face of geopolitical challenges.

Unleashing the Data-Gold Mine

When it comes to AI, data is the lifeblood that fuels innovation. In this regard, India is sitting on a potential data-gold mine due to its vast and diverse population. Currently, foreign apps and products are capturing this data as Indians use their services. While this symbiotic relationship serves us well, it raises the question of how long we can continue relying on external AI stacks. To achieve true sovereignty over AI, we must leverage our data resources to build our own parallel AI infrastructure.

Curated Data Repositories for the ML Community

Imagine India becoming a beacon of data accessibility for the global AI community. By curating our data repositories and making them available to the Machine Learning (ML) community, we can foster an environment of collaborative innovation. This not only empowers Indian developers but also enables researchers worldwide to tackle complex challenges using India's diverse data sets.

From 'Using-Buying' to 'Building' AI

While adopting AI solutions developed by others is convenient, it is essential to embrace the spirit of 'Building AI for Bharat.' Relying solely on foreign AI can leave us vulnerable to geopolitical uncertainties and sanctions. Developing our own AI stack empowers us to be self-reliant and confident, even in adverse scenarios, ensuring critical services like medical diagnostics remain accessible.

Inclusivity: Empowering India's Linguistic Diversity

India is a melting pot of cultures and languages, and it is crucial to ensure that AI technology caters to everyone. The current AI-mobile ecosystem primarily operates in English, alienating a significant portion of the population. To bridge this gap, we must invest in Indic Large Language Models and AI applications capable of understanding spoken and written Indian languages. Inclusivity is not just an option; it's a necessity.

Breaking the Shackles of Digital Colonization

The digital era has brought both opportunities and challenges. As we embrace technological advancements, we must be wary of falling victim to new-age digital colonization. Building our own innovative solutions, like the Unified Payments Interface (UPI), tailored to our unique needs, will help India carve its path towards self-reliance in AI and technology.

Seizing the AI Talent Dividend

India boasts an abundant supply of AI and ML engineers entering the workforce. This pool of talent presents a tremendous opportunity for the nation's growth.

Encouraging and accommodating these skilled professionals in AI startups is a win-win situation. With a plethora of real-world (India?) problems to solve, such as medical diagnostics, legal support, governance, and education, India's AI startups can thrive while positively impacting society.

India's Perfect Storm: Demographics, AI Skills, and Atmanirbharta

The convergence of factors like a young demographic, burgeoning AI skills, and a host of real-world problems creates a perfect storm for India's self-reliance in AI. Embracing the spirit of “*Atmanirbharta*” (self-reliance) in AI will empower India to become a global leader in innovative AI solutions.

In the pursuit of AI sovereignty, India must take inspiration from Mahatma Gandhi's Dandi March, which symbolized the fight for independence against oppressive colonial policies. Building our AI ecosystem is not only essential for achieving technological self-sufficiency but also for ensuring that critical services and solutions remain accessible, even in challenging geopolitical scenarios. By harnessing our data-gold mine, fostering inclusivity, and empowering our AI talent, we can march confidently towards a future where not just **AI for Bharat** but also **AI by Bharat** powers a thriving, self-reliant nation.

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