

## Weekly Data Science Bytes

### India's local foundational AI platform expected in 10 months, says Vaishnaw



- India may be able to develop its own high-end computing chipset, known as GPUs, in the next 3-5 years while a local foundational AI platform is expected in 10 months, Union Minister Ashwini Vaishnaw said on Tuesday.
- During a Budget Roundtable 2025 organised by India Today & Business Today, Vaishnaw said that the government will make available 18,000 high-end GPU-based compute facilities for AI development to entities in the country in the next couple of days and expects India's own AI platform within 10 months
- "We are working on multiple, actually three options, where we take a chipset which is at some reasonable level available in open source or available as a licensed thing, and then build upon that to build our own GPU. That's the approach the entire world has followed and that approach will be able to give us India's own GPU in the time frame of three to five years," Vaishnaw said.

## Magic mirrors to AI dolls, five health tech innovations to watch out for

The annual Consumer Electronics Show (CES) in Las Vegas is a mecca for tech innovators. This year's trade show had a bounty of health tech devices on display, from robot dolls to mirrors, smart diapers (that tell you when to change them, isn't that neat?) and even stop slouching. Let's look at a few that.

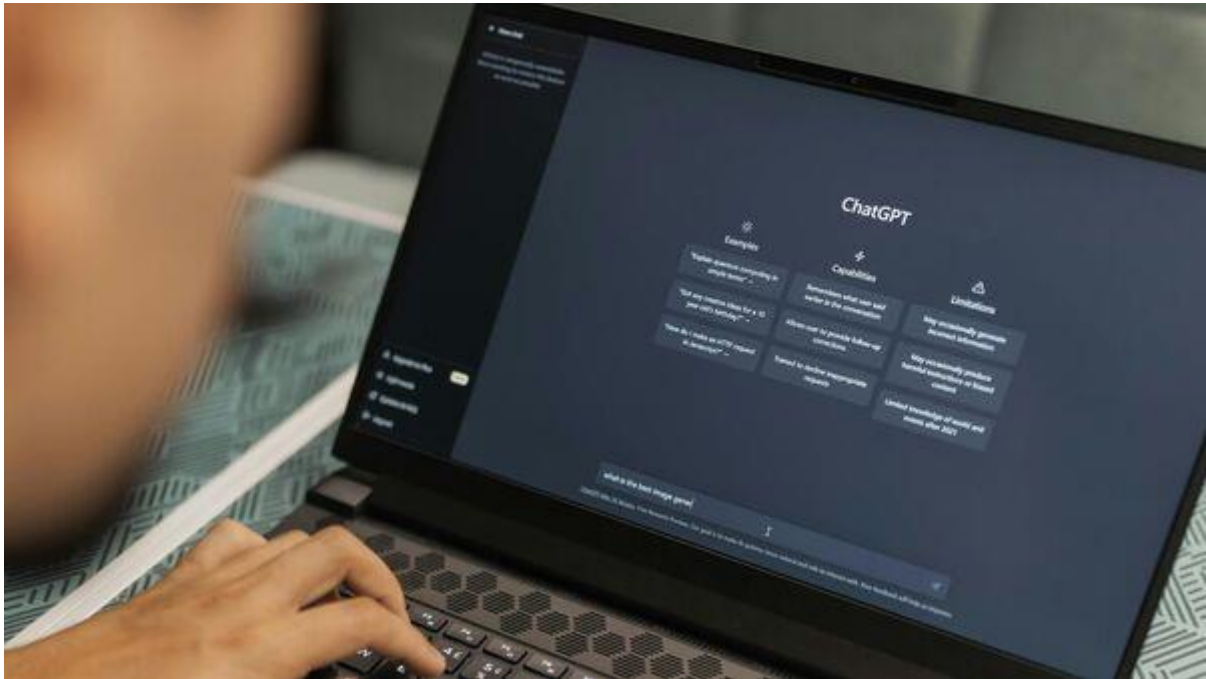


- Don't worry, it's not the evil queen's mirror from Snow White. Omnia is a fairer bet: taking one long look at you, the full-length concept mirror tracks your weight, body and metabolic composition (goes beyond BMI with muscle-to-fat ratio and visceral fat biomarkers), heart health (yes, ECG and A-Fib too), nutrition profile and sleep quality.
- An AI voice assistant will give you constant feedback and arrange for virtual consultations, sending health data to doctors for review. It's been made for CES by French consumer electronics company Withings and isn't commercially available yet, so hold your horses!



- Mustard Glasses, an Indian startup supported by the Motwani Jadeja Foundation which led the India Pavilion at CES this year, has come up with eyewear that tracks your calories and other fitness goals, uses face scanning and helps monitor your eye health. Jude, its built-in AI assistant, gives you posture reminders and even manages your daily schedule.
- These glasses are also fitted with Ariel's Memory — a feature that enhances memory and recall through cutting-edge visual cues. All this, with a camera, microphones, open acoustic speakers and a customizable app ecosystem. And in case you were wondering, it works with prescription lenses

OpenAI expands ChatGPT search: Now available to everyone, no signup needed



- OpenAI has announced that its ChatGPT Search feature is now accessible to everyone, removing the need for users to sign up for an account. The expansion, revealed in a post on X, allows individuals across the globe to utilise the AI-powered search tool to seek real-time information from the web.
- The feature was initially launched in November 2024 for paid subscribers. A month later, in December 2024, OpenAI extended access to free-tier users. Now, the company has further widened its availability, enabling even unregistered users to make use of the tool without restrictions.
- According to OpenAI, the feature is designed to enhance accessibility, making AI-driven search available to a broader audience. With this rollout, anyone visiting the ChatGPT website can enter queries and receive responses based on real-time web searches, powered by OpenAI's latest GPT-4o model.

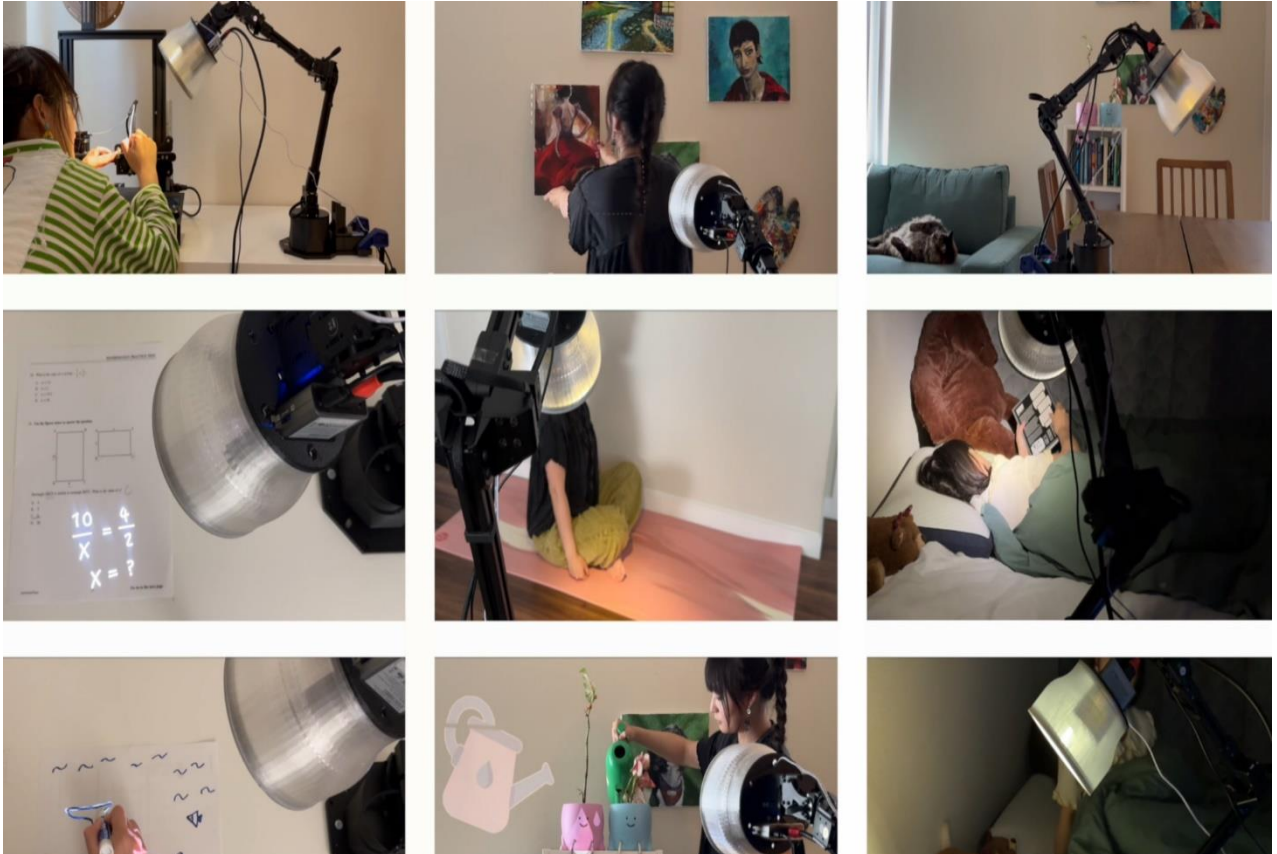
## Apple just built an adorable robot lamp, a sneak peek into robotics work



### APPLE'S TEAM PROTOTYPES ROBOT LAMP WITH 'ELEGANCE'

- The idea of robots, for me at least, always conjures sci-fi pictures of anthropomorphic beings walking around, talking, and acting very cold and unfeeling.
- But Apple's recently published research paper and video demonstrate how the future of robotics could be much more fun and whimsical than that.
- In its [ELEGANT paper](#), Apple researchers explain how they built a non-anthropomorphic robot lamp prototype with an expressive design model rather than a functional one. They write

**Nonverbal behaviors such as posture, gestures, and gaze are essential for conveying internal states, both consciously and unconsciously, in human interaction. For robots to interact more naturally with humans, robot movement design should likewise integrate expressive qualities—such as intention, attention, and emotions—alongside traditional functional considerations like task fulfillment, spatial constraints, and time efficiency.**



For example, the robot is shown exhibiting human-like gestures and responses as it interacts with the Apple researcher.

'Elegant' is the word Apple's team used to describe how they wanted the robot to operate, and I think they pulled it off.

## Government warns officials against using AI tools due to security risks



- The Ministry of Finance has advised government officials to “strictly avoid” Artificial Intelligence (AI) tools, including ChatGPT and DeepSeek, on official devices as they “pose risks for confidentiality of government data and documents”
- Sam Altman, the CEO of OpenAI, which runs ChatGPT, [is currently in India](#) to meet Prime Minister Narendra Modi.
- “It has been determined that AI tools and AI Apps (such as ChatGPT, DeepSeek etc.) in the office computers and devices pose risks for confidentiality of Govt. data and documents. It is, therefore, advised that use of AI tools/AI Apps in office devices may be strictly avoided.
- This may be brought to the notice of all employees. This issues with the approval of Finance Secretary,” an order by Pradeep Kumar Singh, Joint Secretary, DoE said.