

## **ATHARVA ROBOTICS CENTER**

### **Daily News on Innovation & Technology**

8<sup>th</sup> July, 2025

#### **OpenAI CEO Sam Altman at GPT-5 launch: 'India is our second-largest market, but what users are doing with AI is...'**

By Sam Altman, August 8, 2025

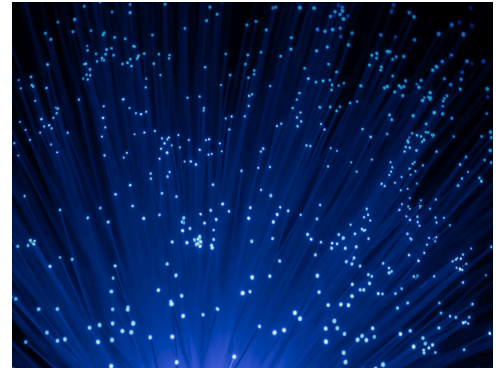
OpenAI introduced GPT-5, calling it their most powerful model yet for programming and autonomous task execution. It comes in three versions—gpt-5, gpt-5-mini, and gpt-5-nano—giving developers the flexibility to optimize for speed, efficiency, or cost based on their specific requirements. During the launch, OpenAI CEO Sam Altman predicted that India could become the artificial intelligence (AI) giant's largest market worldwide.



#### **Nokia Sees Quantum Networking as the Key to a Low-Power, Ultra-Secure Future**

By Matt Swayne, August 7, 2025

Nokia Bell Labs is developing quantum-enabled communication networks that promise dramatic improvements in energy efficiency, data security and quantum computing connectivity, according to the company's head of Optical Systems and Device Research.



#### **DIAT ramps up focus on semiconductor design, defence & space electronics, quantum tech in wake of Op Sindoor**

By Sushant Kulkarni, August 7, 2025

Amidst an increased push for niche indigenous technologies in the backdrop of Operation Sindoor, Defence Institute of Advanced Technology (DIAT) has started a specialised programme — with another to be launched — in semiconductor design and defence and space electronics, said DIAT Vice Chancellor Dr BHVS Narayana Murthy on Thursday.



## [OpenMind Declares “Robots Must Learn Together” With \\$20 Million Backing For AI-Powered Robotic Dog Fleet Launch](#)

By Rosemary Potter, August 7, 2025

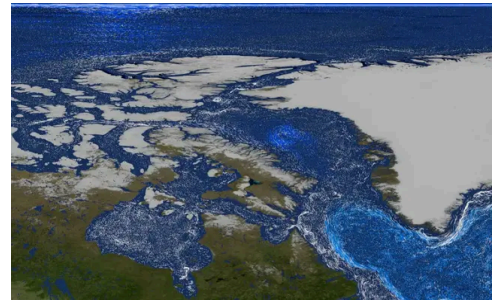
In the rapidly evolving world of robotics, OpenMind, a U.S.-based startup, is pioneering a groundbreaking approach to intelligent machines. The company is working to create a more interoperable and accessible robotic ecosystem through its innovative software solutions. With the introduction of OM1, a hardware-agnostic operating system for humanoid robots, and FABRIC, a new protocol for real-time collaboration, OpenMind is setting the stage for a future where robots can communicate and learn from each other seamlessly.



## [Greenland’s melting ice is causing a surge in ocean life, NASA study find](#)

By Mrigakshi Dixit, August 7, 2025

A new NASA-backed study has found an unexpected effect of Greenland’s melting ice: the runoff is causing a surge in tiny ocean life. This could have implications for the marine ecosystem and the global carbon cycle.



## [Rudra, Bhairav commandos, Shaktiman to drone platoons—how Army is transforming for future wars](#)

By Lt Gen H S Panag (retd), August 7, 2025

Chief of the Army Staff, General Upendra Dwivedi, announced the transformative restructuring of the Indian Army on 26 July, during Kargil Vijay Diwas commemoration. Rudra brigades will replace the ‘division’, which has been the default combined arms fighting formation for over two centuries.



## News Articles

# IT sector may be hit amid AI shift, slower spending

Shilpa Phadnis & Veena Mani | TNN

**Bengaluru:** As AI-driven efficiency gains increasingly impact deal wins, triggering steeper rate cuts, the 25% additional tariffs imposed by US President Donald Trump pose a double whammy to India's IT sector.

Even as the sector anticipated greater trade clarity by Aug—a development expected to boost US consumer spending—the announcement of an additional 25% tariff now threatens to dampen sentiment and stall the fragile recovery in discretionary spending.

Phil Fersht, CEO of US-based HfS Research, said Trump's 25% tariff is the new IT services wrecking ball. "While services aren't directly taxed, the new tariffs stoke inflation in the US, forcing American firms to tighten discretionary spending. As

**As retail customers in the US reel from higher input costs, they'll look to slash consulting and IT outsourcing contracts first, slowing deal cycles and delaying rollouts**

manufacturing, logistics, and retail customers reel from higher input costs, they'll look to slash consulting and IT outsourcing contracts first, slowing deal cycles and delaying rollouts. Deal slippage will be most visible in manufacturing, logistics, and retail verticals by the Sept quarter."

Fersht believes the new levy is forcing American enterprises to slam the brakes on discretionary spending. "A tariff-fuelled downturn in the world's largest economy typically translates into weaker

tech budgets, directly crimping Indian software export growth, which depends on US buyers for over half its \$190 billion in annual revenues."

In a recent report, Kotak Institutional Equities said the demand environment took a slight hit due to uncertainty over the Trump administration's tariff regime, with considerable impact on retail, logistics, and manufacturing verticals.

"The hi-tech vertical is focused on investing for the future (AI-related capex and opex) while optimising the present (cuts to discretionary spending and prioritising spends away from other bets to AD). The healthcare vertical is operating under considerable uncertainty with payers under cost pressure and Trump ratcheting pressure on big pharma with threats of tariffs and changes to the drug pricing regime," the note said.

Source: The Times of India Newspaper, 08-08-2025

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Link: <https://drive.google.com/file/d/1vZn9RBOcs8BCVEvO071MMP60j07QD5kM/view>

# Apple coming home, Intel CEO must quit for China ties: Trump

## White House Reshapes Tech Industry To MAGA Specs

Chidanand Rajghatta | TNN

**Washington:** In an ominous sign for foreign-born CEOs of globalised American tech companies, MAGA supremo Donald Trump on Thursday asked the Malaysia-born CEO of Intel, Lip-Bu Tan, to "resign immediately," reportedly for his ties to China, hours after declaring "Apple is coming back home (to the US)."



Trump is seen through a gift given to him by Apple CEO Tim Cook



Intel CEO Lip-Bu Tan is a Malaysian who grew up in Singapore

Source: The Times of India Newspaper, 08-08-2025

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Link: <https://drive.google.com/file/d/1vZn9RBOcs8BCVEvO071MMP60j07QD5kM/view>

## OpenAI launches more powerful GPT-5 for coding and writing

**San Francisco:** OpenAI launched Thursday its GPT-5 artificial intelligence model, the highly anticipated latest installment of a technology that has helped transform global business and culture. OpenAI's GPT models are the AI technology that powers the popular ChatGPT chatbot, and GPT-5 will be available to all 700 million ChatGPT users, OpenAI said.

The big question is whether the company that kicked off the generative AI frenzy will be capable of continuing to drive significant technological advance-

ments that attract enterprise-level users to justify the enormous sums of money it is investing to fuel these developments.

OpenAI is emphasizing GPT-5's enterprise prowess. In addition to software development, the company said GPT-5 excels in writing, health-related queries, and finance. "GPT-5 is really the first time that I think one of our mainline models has felt like you can ask a legitimate expert, a PhD-level expert, anything," OpenAI CEO **Sam Alt-**



**man** said at a press briefing. "One of the coolest things it can do is write you good instantaneous software. This idea of software on demand is going to be

one of the defining features of the GPT-5 era."

One key measure of success is whether the step up from GPT-4 to GPT-5 is on par with the research lab's previous improvements. Two early reviewers said that while the new model impressed them with its ability to code and solve science and maths problems, they believe

the leap from the GPT-4 to GPT-5 was not as large as OpenAI's prior improvements.

GPT-5 acts as a router, meaning if a user asks GPT-5 a particularly hard problem, it will use test-time compute to answer the question. This is the first time the general public will have access to OpenAI's test-time compute technology, something that Altman said is important to the company's mission to build AI that benefits all of humanity. Altman believes the current investment in AI is still inadequate. Reuters

**Source: The Times of India Newspaper, 08-08-2025**

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**Link:** <https://drive.google.com/file/d/1vZn9RBOcs8BCVEvO071MMP60j07QD5kM/view>

## Forces release joint doctrines for cyberspace, amphibious ops

TIMES NEWS NETWORK

**New Delhi:** The armed forces have come up with new joint doctrines for cyberspace and amphibious operations, with the former especially emerging as a key element of non-contact warfare, blurring the demarcation between war and peace.

The "declassified versions" of the doctrines were released during a meeting chaired by Chief of Defence Staff General **Anil Chauhan** with the three Service



chiefs, Admiral **Dinesh K Tripathi**, General **Upendra Dwivedi** and Air Chief Marshal **A P Singh**, here on Thursday.

Cyberspace operations have become critical in modern-day warfare, especially in the backdrop of China developing potent cyber warfare and cyber espionage capabilities.

"The armed forces are conscious of the pursuits in the cyberspace domain by our adversaries, including software and hardware initiatives, which are indicative of the increased threats of

aggressive cyberspace exploitation," the CDS said, in the doctrine's foreword.

"Operations in cyberspace can be equated to manoeuvre warfare, where speed and agility are of utmost importance... The armed forces, through a collaborative whole of nation approach, will befittingly respond to and face the challenges posed by our adversaries in cyberspace," he added.

The doctrine outlines a unified approach to defend national cyberspace interests, integrating offensive and defensive cyber capabilities.

**Source: The Times of India Newspaper, 08-08-2025**

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**Link:** <https://drive.google.com/file/d/1vZn9RBOcs8BCVEvO071MMP60j07QD5kM/view>

