

## **Weekly Bytes on Innovation and New Trends**



RPA automates business processes such as repetitive tasks, standardized jobs, dealing with data, even responding to emails, and so on.

Just like us, the RPA robots have the ability to understand what's there on a screen, navigate the various systems, complete the right keystrokes, extract data and even perform a wide array of predefined actions.

It results in increased scope for data collection, reduced workload, better business results, faster service, and so on.

## Revolutionizing Metaverse



Revolutionizing the way we live and work, this emerging technology is all set to take you from the real world into the virtual one. With the help of Augmented Reality and Virtual Reality, companies can create a facsimile version of the real world where people can collaborate, conduct training and demos, and close deals in real time. This latest technology is gaining traction because of the real-world experience it's bringing in.

Nike generated 3100 Ethereum of revenue (\$8million dollars) in just a week by selling its virtual sneakers.

Accenture has already built a metaverse habitat called Nth Floor, which replicates their real-world office, where the employees can waltz into the office space and carry out their tasks without requiring to be present physically in the office.

Tech giants like Facebook (currently named as Meta), Microsoft, Google, and Nvidia are already investing heavily in this newest technology and experts predict that this technology will add up to \$5 trillion revenue to the global economy by 2030.

## **Chinese manufacturer USI opens first development centre in India with TechM**



(TechM), India's fifth-largest IT services company, has established a development centre at its office in Bengaluru, in partnership with electronic design and computer storage device manufacturing firm Universal Scientific Industrial (Shanghai), USI.

It is USI's first engineering offshore development center (ODC) in India. Located at Tech Mahindra's Bengaluru office, the development center will accelerate innovation in smart device engineering, Tech Mahindra said in a statement.

The center marks a milestone for USI as it expands its engineering capabilities to India, for enhancing device software development, hardware design, and testing.

## **Google unveils AI agent that can use websites on its own**

Today, chatbots can answer questions, write poems and generate images. In the future, they could also autonomously perform tasks like online shopping and work with tools like spreadsheets. like spreadsheets.

Google on Wednesday unveiled a prototype of this technology, which artificial intelligence researchers call an AI agent.

Google is among the many tech companies building AI agents. Various AI startups, including OpenAI and Anthropic, have unveiled similar prototypes that can use software apps, websites and other online tools.



## **Apple is working on AI chip with Broadcom**



Apple is working with Broadcom to develop its first server chip specially designed for artificial intelligence processing, the Information reported on Wednesday, citing people with direct knowledge of the matter.

The reported move would align the iPhone maker with other big technology companies that have developed their own chips to power compute-heavy AI services and reduce reliance on Nvidia's pricey and short-in-supply processors.

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Apple's AI chip is internally code-named Baltra and is expected to be ready for mass production by 2026, the report said.

## **Meta to build \$10 billion AI data centre in Louisiana as Elon Musk expands his Tennessee AI facility**



The largest artificial intelligence data centre ever built by Facebook's parent company Meta is coming to northeast Louisiana, the company said Wednesday, bringing hopes that the \$10 billion facility will transform an economically neglected corner of the state.

Republican Gov. Jeff Landry called it "game-changing" for his state's expanding tech sector, yet some environmental groups have raised concerns over the centre's reliance on fossil fuels - and whether the plans for new natural gas power to support it could lead to higher energy bills in the future for Louisiana residents.

Meanwhile, Elon Musk's AI startup, xAI, is expanding its existing supercomputer project in Memphis, Tennessee, the city's chamber of commerce said Wednesday. The chamber also said that Nvidia, Dell, and Supermicro Computer will be "establishing operations in Memphis," without offering further details.

The U.S. Commerce Department found that there aren't enough data centres in the U.S. to meet the rising AI-fueled demand, which is projected to grow by 9% each year through 2030, citing industry reports.

## **AI startup Perplexity adds The Independent, LA Times to its publishers' program**



AI search startup Perplexity said on Thursday it was adding more than a dozen new media partners, including the Los Angeles Times and The Independent, to its program where it shares a portion of ad revenue with the publishers.

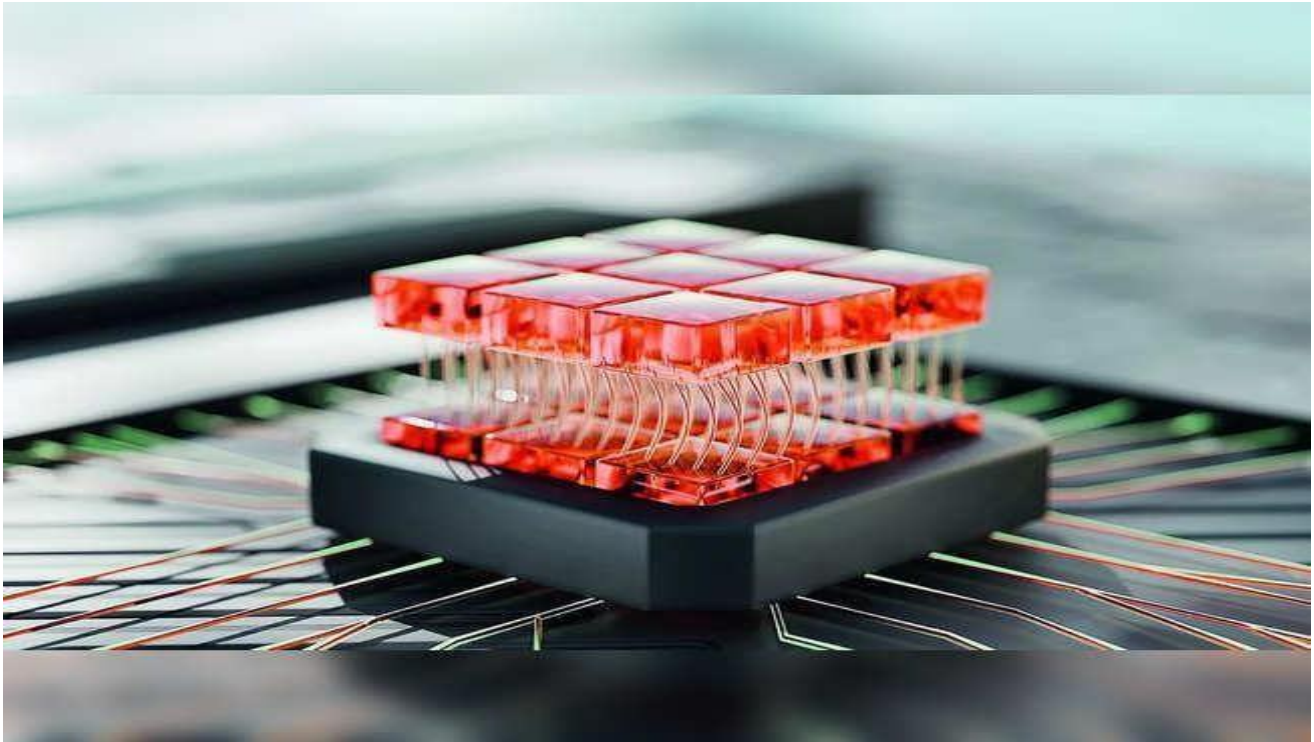
In its first set of partners from regions including Japan, Spain and Latin America, Perplexity said companies such as Prisa Media and Newspicks will now be part of the publishers' program, joining existing partners like TIME, Der Spiegel and Fortune.

"With these new partners ... (Perplexity can) provide insights that resonate with users from different backgrounds and geographies. Their participation ensures that our responses to user queries remain comprehensive (and) nuanced," Perplexity said in a statement.

The firm, backed by Amazon founder Jeff Bezos and leading AI chipmaker Nvidia, launched the program in July, which involves sharing ad revenue from interactions when a publisher's content is referenced.

The program also gives publishers access to Perplexity's Application Programming Interface, or API, which allows software programs to interact with each other, and also provides data analytics to track trends and content performance.

**India AI mission GPU tender: 19 companies submit bids**



Nineteen companies submitted proposals for the government's Rs 10,000 crore graphics processing units (GPU) tender, with participation from cloud service providers, managed service providers and data centre service providers, the electronics and information technology ministry said in a statement on Tuesday.

The bidders include major firms such as Jio Platforms, Tata Communications, CtrlS Datacenters, E2E Networks, Sify Digital Services and Yotta Data Services.

The government initiative aims to make available 10,000 GPUs to support IndiaAI Mission, benefiting startups, researchers, students and academicians, the statement said.

The other bidders are CloudThat Technologies, CMS Computers, Cyfuture India, Hostin Services, I2k2 Networks, Ishan Infotech, Locuz Enterprise Solutions, Orient Technologies, NxtGen Datacenter and Cloud Technologies, Path Infotech, Shezar Web Technologies, Unicloud Labs and Vensysco Technologies.