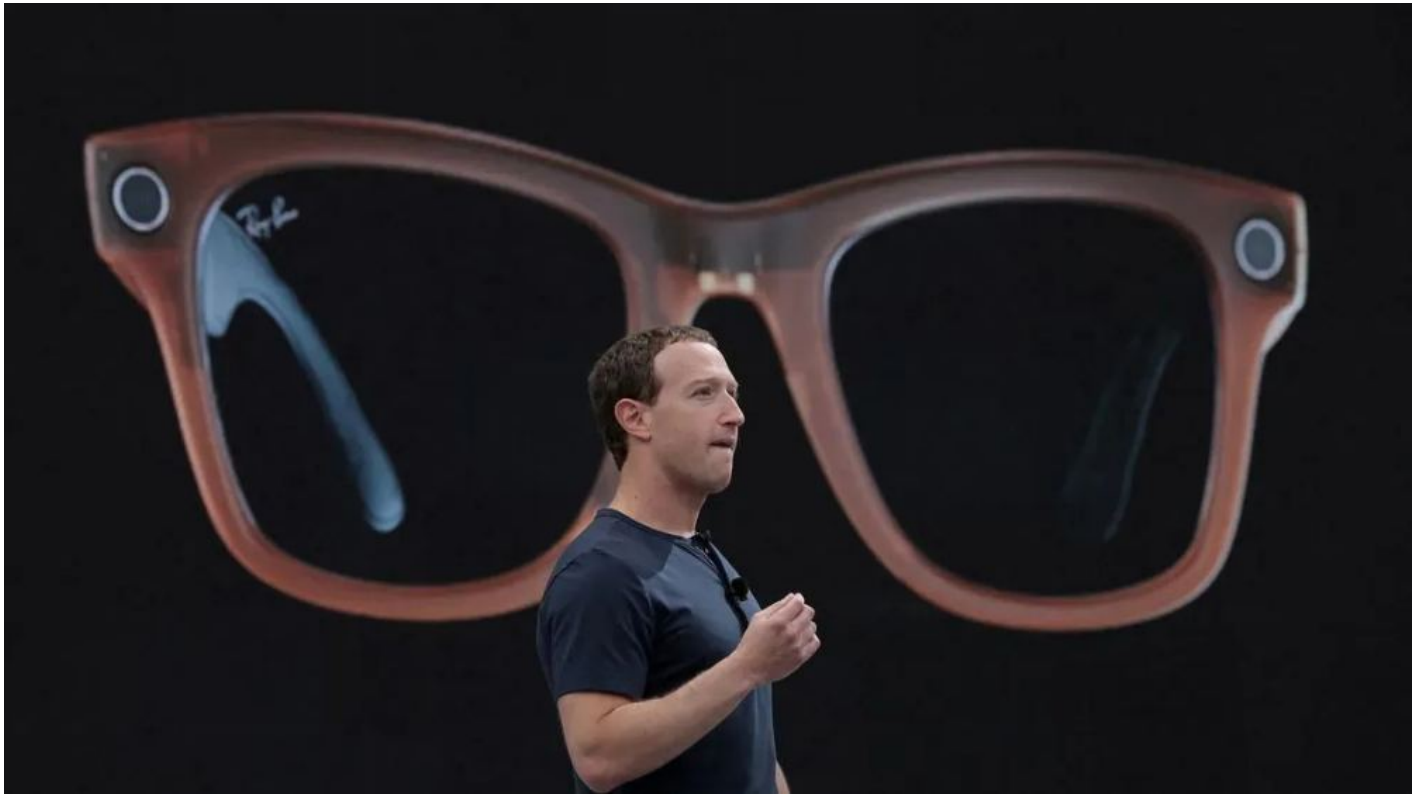


What is Llama 3.1?

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About Llama 3.1:

- It is Meta's largest ever **open source AI model**, and it has outperformed the likes of OpenAI's **GPT-4o** and Anthropic's Claude 3.5 Sonnet on numerous benchmarks.
- The new Llama 3.1 models are reportedly far more complex compared to Llama 3 models.
- **Features**
 - It can **converse** in **eight languages**, **write higher-quality computer code** and solve more complex math problems than previous versions.
 - It comes with 405 billion parameters, or variables that the algorithm takes into account to generate responses to user queries.
 - The running inference (a process to train machine learning models) on Llama 3.1 405B is cost-effective as it is around 50 per cent cheaper than closed models like OpenAI's **GPT-4o**.
 - Llama comes with systems **like Llama Guard** that can be secure against unintentional harms such as bad health advice or unintended self-replication, which he noted as major concerns.

What is an open source AI model?

- It is an **artificial intelligence** technology that is publicly available for **both commercial and non-commercial use** under several open source licences.
 - It is characterised by the availability of **its components to users under licences** that allow them to study how the system works and inspect its components.
 - These models come with datasets, ready-to-use interfaces, and prebuilt algorithms to help developers embark on their app development journey.
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Q1: What is a Large Language Model (LLMs)?

A large language model (LLM) is a type of artificial intelligence (AI) program that can recognize and generate text, among other tasks. LLMs are trained on huge sets of data—hence the name “large.”

Source: **Meta introduces Llama 3.1: What is an open-source AI model? How can it change the world?**

Source: <https://vajiramandravi.com/current-affairs/llama-3-1/>

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