**ChatGPT**

* ChatGPT is an advanced chatbot that generates sophisticated responses to natural language inputs.
* It is also defined as a conversational AI model that uses a machine learning framework to communicate and generate intuitive responses to human inputs.
* At its core, ChatGPT uses deep learning techniques, specifically transformer neural networks, to process text and generate text prompts based on the patterns it learns from training data.
* The neural language model uses a combination of pattern recognition, statistical analysis, and contextual understanding to generate human-like responses.
* ChatGPT is known for its ability to learn and adapt to user feedback.
* Some serious concerns are doing the rounds over the potential misuse of ChatGPT. It can lead to spreading misinformation or even creating content that is convincing enough but still fake.
* Though ChatGPT is still a work-in-progress model, its popularity has only increased over time. As per the data, the website experiences 25 million visits daily. Such high traffic on **the site is the prime reason the AI tool is often unavailable and, in some cases, even generates incorrect responses.**
* It uses a transformer-based [neural network architecture](https://www.spiceworks.com/tech/artificial-intelligence/articles/what-is-a-neural-network/) to generate consistent and contextually relevant responses, first introduced in a research paper titled, ‘Transformer: A Novel Neural Network Architecture for Language Understanding,’ by Google AI in August 2017.
* The model is typically trained on large amounts of text that allows the bot to learn the statistical patterns of language, such as grammar, syntax, and semantics, which are generally used by humans while communicating. As a result, the model can accurately predict the probable sequence of words that would follow a user input.
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