

OpenAI's ChatGPT

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In news— Recently, OpenAI, the company best known for Dall-E, the AI-based text-to-image generator has introduced a new chatbot called ChatGPT.

What is ChatGPT?

- ChatGPT is a '**conversational**' AI and will answer queries **just like a human would**— well, at least that's the promise and premise.
- So **one can ask ChatGPT for anything; tips on how to set up a birthday party, write an essay** on why parliamentary democracy is better, and even a fictional meeting between two well-known personalities.
- The reason ChatGPT has gone viral is because of the kind of responses it gives, being seen as a replacement for much of the daily mundane writing, from an email to even college-style essays.
- **OpenAI has created ChatGPT, a start-up focused on artificial intelligence** and its potential use cases.
- OpenAI's notable investors include Microsoft, Khosla Ventures and Reid Hoffman's charitable foundation.
- According to OpenAI's description, ChatGPT can answer "follow-up questions", and can also "admit its mistakes, challenge incorrect premises, and reject inappropriate requests."
- It is based on the company's GPT 3.5 series of language learning models (LLM).
- **GPT stands for Generative Pre-trained Transformer 3** and this is a kind of computer language model that relies on deep learning techniques to produce human-like text based on inputs.
- **The model is trained to predict what will come next**, and that's why one can technically have a 'conversation' with ChatGPT.

- According to OpenAI, the chatbot was also trained using “Reinforcement Learning from Human Feedback (RLHF).”
- Currently, it is open in beta to all users. One can go to the OpenAI website and sign up to try out ChatGPT.
- OpenAI uses Microsoft Azure’s cloud infrastructure to run these models.
- Interestingly, ChatGPT **has been trained to decline ‘inappropriate’ requests, presumably those which are ‘illegal’ in nature.**
- **The chatbot gives answers which are grammatically correct and read well– though** some have pointed out that these lack context and substance, which is largely true.
- **ChatGPT capable of writing fiction,** but not at the level of a humans, at least not for now. Nor is OpenAI the only company trying to get AI to take over writing.
- **Google had recently showcased how its LaMDA chatbot** is being used to help with fiction writing, but it too admitted that this was only a helper right now and cannot take over the entire task.
- Still, ChatGPT showcases an interesting and exciting use case for AI, where humans can have a ‘real’ conversation with a chatbot.
- However, it should be noted that ChatGPT has limitations, as it may generate incorrect information, and create biased content.