

ChatGPT [OpenAI]

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INTRODUCTION

ChatGPT is a chatbot launched by OpenAI in November 2022. It is built on top of OpenAI's GPT-3 family of large language models and is fine-tuned with both supervised and reinforcement learning techniques.

ChatGPT was launched as a prototype on November 30, 2022, and quickly garnered attention for its detailed responses and articulate answers across many domains of knowledge.

ChatGPT is a large language model developed by OpenAI. It is trained on a diverse range of internet text and can generate human-like text in response to a given prompt. ChatGPT can be used for a variety of natural language processing tasks such as text completion, text generation, and language translation. It is also able to understand and respond to context, making it well-suited for tasks such as conversation generation and question answering.

WHAT IS ChatGPT?

It is a chatbot that interacts with users through the medium of chat. It is as simple as that. You just have to enter a text message into it and it will give you a reply according to it the form of text.

ChatGPT is short for Chat Generative Pre-training Transformer. It is a deep learning-based model that is trained on a diverse range of internet text and can generate human-like text in response to a given prompt. ChatGPT has been pre-trained on a massive dataset of internet text, which allows it to have a broad understanding of a wide range of topics and language styles. This pre-training allows ChatGPT to generate text that is often indistinguishable from text written by a human. This is a game-changing factor.

One of the key features of ChatGPT is its ability to understand and respond to context. This makes it well-suited for tasks such as conversation generation and question answering. The model can be fine-tuned for specific tasks, such as language translation or text summarization, by training it on a smaller dataset specific to that task.

This feature makes ChatGPT so versatile. It can understand and respond to context. This makes it so well-suited for tasks such as conversation generation and question answering. ChatGPT can be used for a variety of other tasks such as text completion, text generation, and even music composition. It can even be used for users to generate creative writing, poetry, and even code.

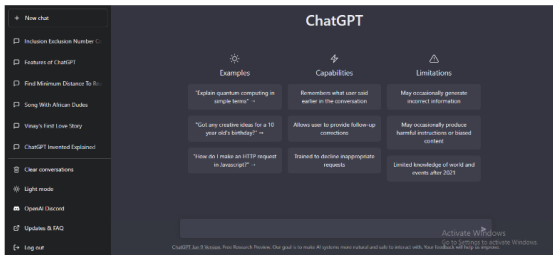
WHEN DID ChatGPT COME OUT, AND WHERE DOES IT COME FROM?

ChatGPT was created by OpenAI and launched in November of last year. Partially founded by Elon Musk, OpenAI is an organization that is dedicated to the research and development of artificial intelligence. OpenAI has a number of other controversial investors, such as right-wing billionaire Peter Thiel, who offered substantial financial assistance to the org when it was first setting up shop. OpenAI is run by CEO Sam Altman, who is also a founder of the organization.

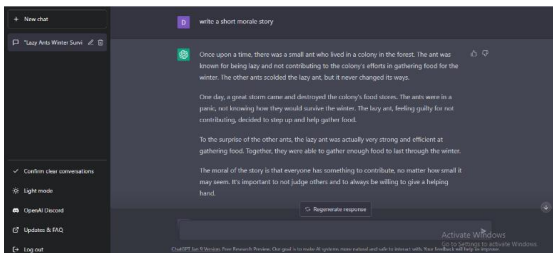


HOW DOES THIS WORK?

It just takes input from you in a plain text message and gives you a response accordingly. It is as simple as that. No complicated stuff or no long-heavy scripts are required.



Like if you want to write a story, you just need to describe which kind of story you want, the characters of the story, and which genre you want, and just like that it will create a story for you just like you wanted in a few seconds. Its simplicity is what makes it so effective. If you want to write a poem about someone, you just need to give that person's characteristics and it will create a poem about that person. If you want to write code, you just need to give it the problem statement and which language you want the code in and it will provide you with the code for it. This is how brilliant ChatGPT is. It can even do the work on which it was created itself.



FEATURES

ChatGPT is a large language model trained by OpenAI. It uses a transformer architecture and is pre-trained on a massive amount of text data. One of its key features is its ability to generate human-like text, making it well-suited for tasks such as language translation, summarization, question answering, and text completion. Additionally, ChatGPT can fine-tune its weights on a specific task, allowing it to adapt to a variety of use cases. It also can handle large contexts, which allows it to generate more accurate and coherent responses to a given prompt. Furthermore, it is highly

scalable and can run on a variety of platforms, including cloud-based services and on-premises servers.

Although the core function of a chatbot is to mimic a human conversationalist, ChatGPT is versatile. For example, it can write and debug computer programs; compose music, teleplays, fairy tales, and student essays; answer test questions (sometimes, depending on the test, at a level above the average human test-taker); write poetry and song lyrics to emulate a Linux system; to simulate an entire chat room; to play games like tic-tac-toe; and to simulate an ATM. ChatGPT's training data includes man pages and information about Internet phenomena and programming languages, such as bulletin board systems and the Python programming language. Unlike most chatbots, ChatGPT remembers previous prompts given to it in the same conversation; journalists have suggested that this will allow ChatGPT to be used as a personalized therapist. To prevent offensive outputs from being presented to and produced from ChatGPT, queries are filtered through OpenAI's company-wide moderation API, and potentially racist or sexist prompts are dismissed.

Pre-training: ChatGPT is pre-trained on a large corpus of text data, which enables it to generate human-like text.

Fine-tuning: The model can be fine-tuned on a specific task, allowing it to adapt to different use cases.

Generative capabilities: ChatGPT can generate text in a variety of formats, including language translation, language summarization, question answering, and text completion.

Handling large context: ChatGPT can handle large context, which allows it to generate more accurate and coherent responses to a given prompt.

Scalability: The model can run on a variety of platforms, including cloud-based services and on-premises servers, making it highly scalable.

Multi-lingual model: ChatGPT can handle multiple languages, it is not limited to one language and can generate text in multiple languages.

Handling multiple Modalities: ChatGPT can handle multiple modalities such as text, images, and audio, making it suitable for multimodal tasks.

High Speed: ChatGPT is highly optimized for fast response, it can generate text at high speed and can handle large volumes of data.

Low Latency: The model has low latency, which makes it well-suited for real-time applications such as chatbots and virtual assistants.

Continual learning: ChatGPT can continue to learn and adapt as it receives new data, which enables it to improve its performance over time.

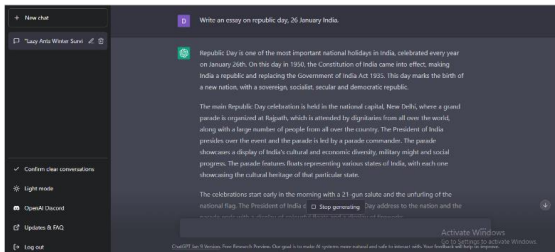
IMPACT

ChatGPT, believe it or not, has already made a huge impact on society. As soon as it was made available to the public. The servers became full and you couldn't even use them because it was full. People all over the world were trying to see and check what this bot could do. Everybody wasn't getting tired of it. If you used it once, then you couldn't stop trying it. What more can it do? was on everybody's mind.

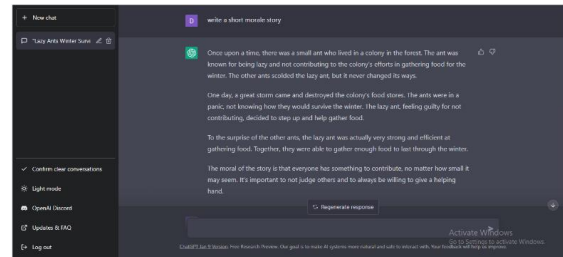
From the lives of student, and coders to content writers everybody's life have been changed by ChatGPT.

It can do anything a student wants.

Doing maths, writing an essay, story, doing homework, whatnot. Students all over the world have been using this little chatbot to do their daily work without any hassle.



It explains any problem statement given to it and even writes the code for it in the language you want, be it Java, C++, or Python. It can even create a chrome extension for you. You just need to tell it what that extension is all about and it will create it for you. You can even upload it on Google Chrome for others.



Anything that a content writer does, it can do. From copywriting to technical writing, from a Twitter tweet to Instagram posts, and even blogging. It can do it all. You just need to put in what you know and what you can and it will update it according to you.

People all over the world are not getting tired of using ChatGPT and there is not a single day on which it doesn't stop surprising us with just how awesome it is. From using your imagination to being able to build something in a few seconds is nothing but a miracle. It has marked the entry of AI into our world. Some have even gone on to say that it is the next big step in technology after the arrival of the Internet. People have even started believing that it can beat Google in a few years.

Overall this little chatbot which is accessible to us everywhere has the power to impact our lives greatly and it will

NEGATIVE IMPACT

Now, till yet we have seen that ChatGPT does amazing things and helps us out in many ways. There are many Positive impacts and Qualities ChatGPT consists of seen until now.

But that's not the whole part of the ChatGPT. As we all know that anywhere light exists everywhere shadows are also visible.

There is a negative impact of ChatGPT as well :

1] ChatGPT ISN'T ALWAYS RIGHT :

ChatGPT is an OpenAI that is designed for learning at a higher level. It fails at basic maths and can't seem to answer simple logic questions. Sometimes, if we say to it about the proper correct answer, the AI will even go far as to argue completely incorrect facts.

Unlike other assistants like Google or Siri or Alexa ChatGPT doesn't use the internet to locate the answers. Instead, ChatGPT constructs the sentence word by word based on training and gives us the basic set of instructions by which we have to find the answer using that set of instructions.

2] A CAUSE FOR A BRIGHT FUTURE:

Nowadays most of the use of ChatGPT is done by students of school age who are using it to complete homework at school. And as per the ratio of ChatGPT used is about to

Write an Essay

Write a Story

Related to the school homework. By this, the Students are not even trying or thinking about the creative ideas related to it. As we all know homework given by the school is for our sake only that we practice that concept. If we do not practice then in the future times we will not be able to grow our minds toward creativity.

3] JOBLESS FUTURE:

Due to the presence and features of ChatGPT and its awesomeness, nowadays companies and industries are using it to get amazing responses and replies in kind of their work. Due to this companies and industries are not hiring people as ChatGPT does more nice work than a human and is also available 24x7 which increases the efficiency of work. Due to this, the company thinks of not wasting its money on hiring people for jobs. If ChatGPT continues in this manner and the future there will be many people jobless and competition will arise a lot.

FOUNDERS

ChatGPT was created by OpenAI. OpenAI is an artificial intelligence research laboratory consisting of the for-profit OpenAI LP and its parent company, the non-profit OpenAI Inc. OpenAI was founded in December 2015 by Elon Musk, Sam Altman, Greg Brockman, Ilya Sutskever, Wojciech Zaremba and John Schulman. They developed GPT-2 and GPT-3 models.

The idea was originated by Elon Musk, the current Twitter CEO. He wanted to create an AI where the idea would be to enter a text like a chatting app and it would create what you wanted for it.

REFERENCES :

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