Chat GPT Curse or Blessings

[1]Prof. Rana Afreen Sheikh, [2]Sakshi Gunavant Pawar, [3]Aishwarya Sunil Lakras, [4]Gauri Rajesh Kasture

[1]Professor, Department of MCA, Vidyabharati Mahavidyalaya, Amravati, India
[2,3,4]Student, Department of MCA, Vidyabharati Mahavidyalaya, Amravati, India

Abstract - **Chat GPT is an AI language model developed by open AI that can understand and generate human-like text. It can be used for a variety of use cases such as language generation, question, question answering, text summarization, chat bot development, language translation. Chat GPT is a large language model that uses queues and millions of data points to mimic human responses. This form of mimicry is why Chat GPT will answer questions even when it doesn't output the correct answer. So, make sure you're not using any information from Chat GPT without fact-checking it.**

Keywords: Chat GPT: Chat GPT Curse; Chat GPT Blessings; Chatbot; OpenAI; AI.

1. Introduction

Chat GPT is an artificial intelligence (AI) chatbot that uses natural language processing to create humanlike conversational dialogue. The language model can respond to questions and compose various written content, including articles, social media posts, essays, code and emails. The journey began with the introduction of the GPT-1 model in 2018.GPT-1 was a groundbreaking language. It was pre-trained on a massive corpus of text from the internet.

2. History of Chat GPT

Chat GPT was developed by OpenAI, an artificial intelligence research lab founded in December 2015. The team behind OpenAI consisted of prominent individuals such as Elon Musk, Sam Altman, Greg Brockman, IIya Sutskever, Wojciech Zaremba, and John Schulman. Chat GPT was launched on November 30, 2022, by San Francisco- based open AI (the creator of the initial GPT series of large language models; DALL.E2, a diffusion model used to generate images; and whisper, a speech transcription model).

Figure 1: History of Chat GPT

Description of Chat GPT- ChatGPT, which stands for chat generative pre-trained Transformer, is a large language model-based chat bot developed by Open AI and launched on November 30, 2022, which enables users to refine and steer a conversation towards a desired length, format, style, level of detail, and language. Chat GPT is an AI-powered language model developed by OpenAI. It's designed to engage in natural language conversations with users like you. It uses a deep learning architecture called GPT-3.5 to generate text-based responses. Chat GPT can provide information, assist with tasks, and have discussions on a wide range of topics. It's trained on a diverse dataset, but its knowledge is up to date only until September 2021.
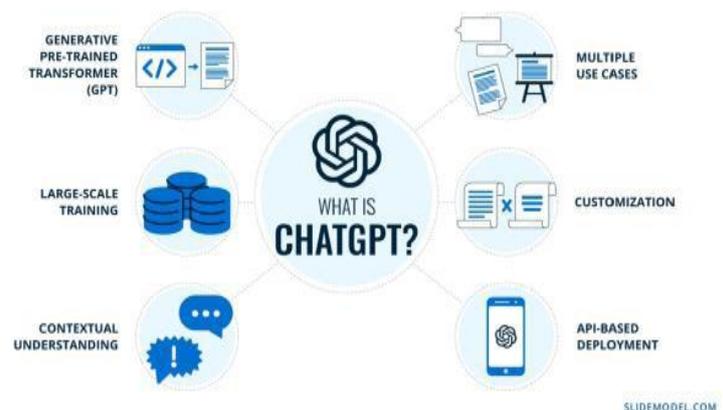

Figure 2: What is Chat GPT?

3. Chat GPT Curse and Blessings

Chat GPT can be both blessings and curse, depending on how they are used. While they are offering numerous benefits, such as quick access to information and automation of repetitive tasks, they also have the potential to spread misinformation and perpetuate harmful biases. In the researching and writing that students will learn, and there is a real very danger that Chat GPT will be detrimental to their education simply because it is so good at what it does. I imagine in the not too distant future there will be software written to detect whether a piece of writing has been composed by a human, or Chat GPT – but all this doing id pitting one form of AI against another, and Chat GPT most likely only ever produce inconclusive results.
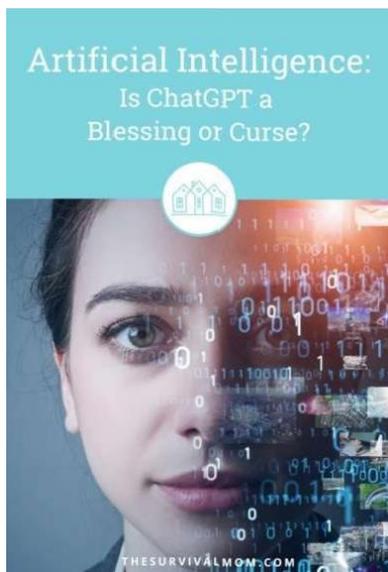
Figure 3: Chat GPT Curse or Blessings

4. Chat GPT architecture

Chat GPT is built upon either GPT-3.5 or GPT-4 - members of open-AI's proprietary series of generative pre-trained transformer (GPT) models based on the transformer architecture developed by Google and is fine tuned for conversational applications using a combination of supervised and reinforcement learning techniques. There is the main part of transformer, Transformer Model, Layer Stacking, Attention Mechanism, Parameter Size, Pre-training, Fine-tuning, Decoding Strategies, Context Windows, Prompt Engineering, API Integration. It's very important to implementation of version.
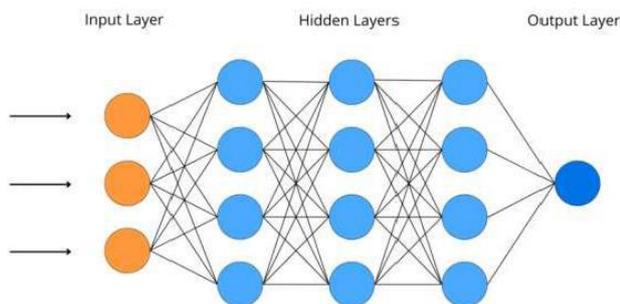

Figure 4: Chat GPT Neural Network Architecture

5. Application of Chat GPT

Chat GPT is an artificial intelligence program that generates dialogue. Created by Open AI, this high capable chat bot uses machine learning algorithms to process and analyze large amounts of data to generate responses to user inquiries. Some applications of Chat GPT, Customer Support and Service, Content Generation, Virtual Assistants, Language

Translation, Education and Tutoring, Healthcare, Information Retrieval, E-commerce, Legal and Financial Services, Entertainment, Language Learning, Creative Writing and Storytelling, Accessibility, Market Research and Surveys, etc.

Figure 5: Application of Chat GPT

6. Chat-GPT Design Model

Table 1: Chat-GPT Design Model

Model name	Technical name	Max Tokens
GPT-3.5 16K	gpt-3.5 turbo16k	16384
GPT-3.5	gpt-3.5-turbo	4084
Davinci	text-davinci-003	4096
Curie	text-curie-001	2049

7. Conclusion

Chat GPT is a powerful language model that can generate human-like text in a variety of scenarios. Its potential applications are vast and can revolutionize many industries. Chat GPT can be employed in customer support, content generation, virtual assistance education, healthcare, and many other domains. Its extensive pre-training on large text corpora, coupled with fine-tuning for specific tasks, allows it to provide contextually relevant and coherent responses to user queries. As technology continues to advance, Chat GPT and similar models hold significant potential for improving user experiences, automating tasks, and enhancing communication in various industries and applications.

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Citation of this Article:

Prof. Rana Afreen Sheikh, Sakshi Gunavant Pawar, Aishwarya Sunil Lakras, Gauri Rajesh Kasture, "Chat GPT Curse or Blessings" Published in *International Research Journal of Innovations in Engineering and Technology - IRJIET*, Volume 7, Issue 9, pp 150-152, September 2023. Article DOI https://doi.org/10.47001/IRJIET/2023.709018

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