

Read up on any innovative technology using NLP (by companies such as Google or IBM, for instance) and write a brief summary about the technology, what it achieves/does, and an overview of how it works (250 - 500 words)

ChatGPT is a technology developed by OpenAI. It is a chat interface that generates human-like conversational responses to complex questions, statements or tasks that a user may input. ChatGPT achieves personalised and contextual answers better than traditional chatbots that follow predefined scripts. Its based off a transformer neural network model, a deep learning architecture that specialises in processing and generating sequential data. The model was trained on a massive dataset that contains parts of the internet, allowing it to learn sentence patterns, grammar and semantic relationships between words and sentences. ChatGPT was exposed to a large number of conversations and learned from correct and incorrect responses to develop an understanding of how to generate appropriate and meaningful answers. The training process involved predicting the next word in a sequence given the previous context, and this enabled the model to grasp the nuances of language and generate coherent responses.