1. **Introduction**

On November 30th, 2022, an AI research and deployment company, OpenAI launched Chat-GPT, an extension of GPT-3 designed to engage in natural language conversations. It has been able to significantly attract the attention of the whole world for its natural and meaningful conversations with response to its user. This AI application has fundamentally changed the expectation and possibilities of artificial intelligence in many communities like software developers, writers, and students.

This AI application is a chatbot integrated with GTP-3(Generative Pretrained Transformer) language model which are family of neural network models that utilizes transformer architecture.

1. **Development of Chat-GPT**