Module Summary: Create Your Own ChatGPT-Like Website

Congratulations! You have completed this module. At this point in the course, you know:

- Chatbot is a computer program that simulates written or spoken human conversation.

- With the integration of generative AI technology such as natural language processing, or NLP, chatbots can understand questions and respond based on the data they have collected.

- A special program called a 'transformer' acts as the brain of the chatbot.

- The transformer comprises a large language model, or LLM, that helps the chatbot understand the input question and generate the human-like response as the output.

- To build the chatbot, you must select an LLM based on the chatbot's purpose. Other important parameters for choosing an LLM include licensing, model size, training data, and performance and accuracy.

- Transformers and LLMs work together within a chatbot to enable conversation.

- In a chatbot application, the back-end server will receive the prompts from the front-end interface and feed them to the chatbot, which will process the prompts.

In this project, you worked on creating a simple chatbot using Facebook's Blenderbot model and Hugging Face's Python library, Transformers. Next, you learned to integrate the terminal chatbot into a web interface. You learned to host the back-end server using Flask.