

Prompt Engineering Report

Initial Prompt

The initial prompt used was simple and generic, which often led to verbose and unrelated responses.

Refined Prompt

To improve the relevance of the responses, we prefixed user queries with "**My short, relevant and concise answer to your {user_input} question regarding stock market information:**" ensuring the model focuses on stock-related information.

Keyword Filtering

To further ensure the chatbot only addresses stock market-related queries, a keyword filtering mechanism was implemented. This mechanism checks user inputs for stock market-related keywords and responds appropriately.

Test Set

The following test cases were used to validate the chatbot's performance:

Greeting: "Hello!"

Expected: "Hello! How can I assist you with stock market information today?"

Result: The chatbot greeted the user appropriately.

Non-stock-related query: "Tell me a joke."

Expected: "I can only chat about stock markets."

Result: The chatbot correctly responded with the expected message.

Stock-related query: "What is the current stock price of Tesla?"

Expected: Relevant information about Tesla's stock price.

Result: The chatbot provided the partially expected information.

