

Financial Expert Advisor

Project overview – This project involves building a chatbot for financial guidance and tips for investing in stock markets. The chatbot is capable of answering user queries by retrieving information from a set of documents. It also includes a feedback mechanism to improve performance over time.

It also processes pdf documents from a specified folder, splitting it into chunks for efficient retrieval. Chunks are stored in FAISS vector database.

The chatbot utilizes a ConversationalRetrievalChain to handle user interactions. It uses a ChatOpenAI model to generate responses and maintains a conversation history to provide contextually relevant replies.

It also incorporates a feedback mechanism that allows users to rate the accuracy. This feedback is stored in a JSON file. It adjusts the chatbot's behavior over time, ensuring continuous improvement in its performance.

Usage instructions

- (1) Download the relevant pdf files
- (2) Provide the api key
- (3) Run the main code
- (4) Interact with the chatbot using chainlit
- (5) Provide feedback to improve the response