



AI ASSITANT

AREAS OF DISUSSION



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application

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enhance performance

PROBLEM STATEMENT

Current Scenario: Shree Sava Software is a comprehensive accounting ERP solution used by small and medium-based businesses.

- **Problem:** Users often face challenges in navigating the extensive documentation and finding specific information quickly. Users need a more efficient way to access information and get support, reducing the time spent on searching documentation and making calls to the company, improving overall user satisfaction.
- **Solution:** Develop an AI chatbot using the Mistral 7B language model to provide instant, accurate answers based on the Shree Sava documentation.

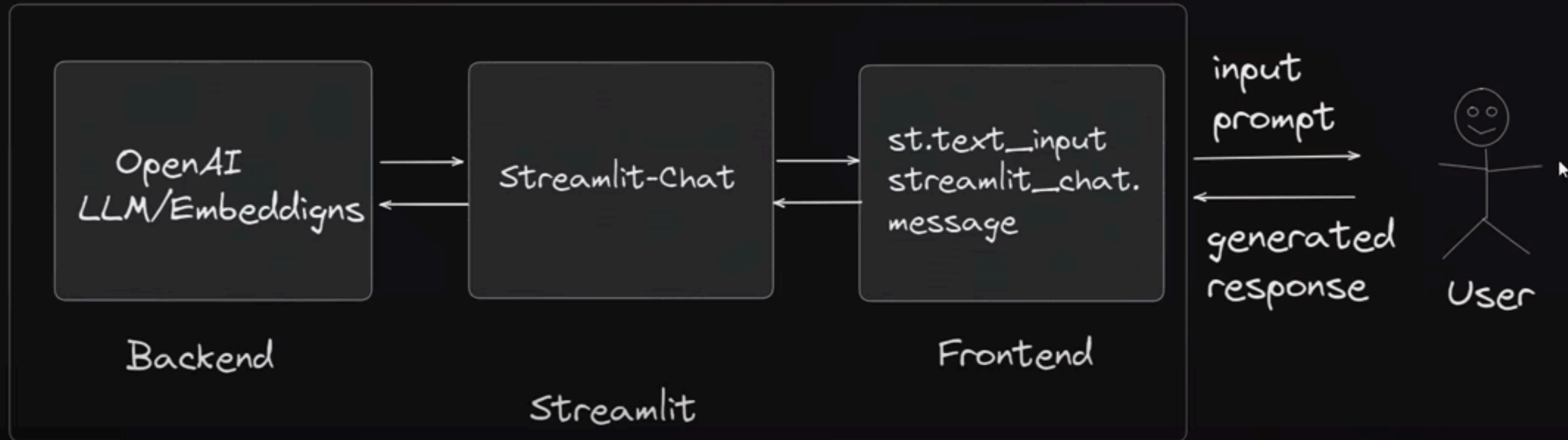
HIGH LEVEL ARCHITECTURE

Technologies Used

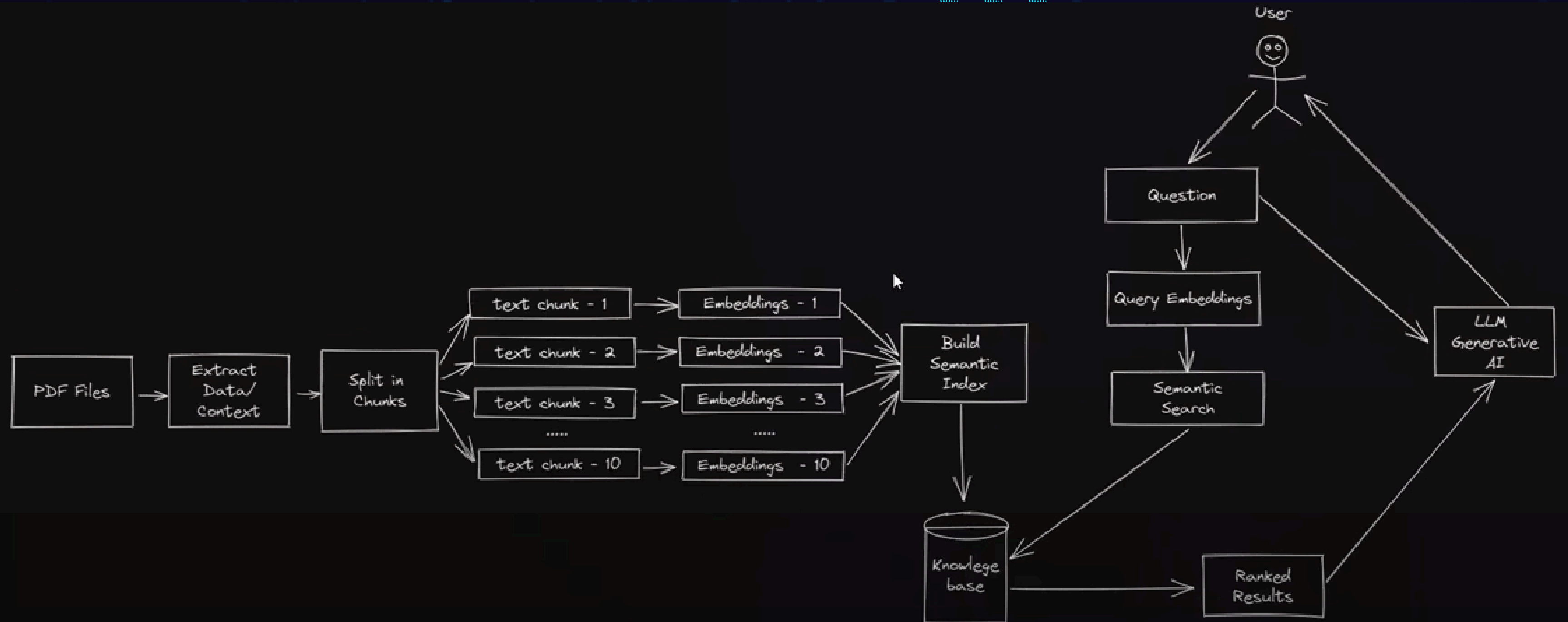
- **Mistral 7B:** A powerful language model for natural language understanding and generation.
- **Retrieval-Augmented Generation (RAG):** Enhances the model's ability to generate accurate responses by retrieving relevant documents.
- **Langchain:** Manages the workflow of the language model, ensuring smooth integration and processing.
- **Hugging Face:** Provides tools and libraries for model training and deployment.
- **TextSplitter:** Handles the splitting of large documents into manageable chunks for processing.

HIGH LEVEL ARCHITECTURE

PDF Chat Architecture



HIGH LEVEL ARCHITECTURE





CHALLENGES FACED DURING DEVELOPMENT

01

Integration Issues:Setting up the environment and integrating the technologies

02

Insufficient Documentation : There was very little and non detailed documentation on the software

03

Performance Optimisation:Ensuring the model responds quickly and accurately under varying loads.





DEMO OF THE APPLICATION



POTENTIAL IMPROVEMENTS TO ENHANCE PERFORMANCE

01

Better and more comprehensive documentation: This is required to ensure that model can solve any queries regarding the website

02

Investment into OpenAI API or High GPU Systems for faster results: improve the speed and efficiency of the AI chatbot, providing quicker and more accurate responses to user queries.





THANK YOU

