

Immigration-Policies-Consultation-Chatbot



Agenda

- Chat Bots
- Openai
- Streamlit
- Langchain
- Vectara

ABOUT

- An Immigration-Policies-Consultation-Chatbot is a conversational AI or chatbot designed to provide information and guidance on immigration policies and procedures. It can be used by individuals seeking to immigrate to a particular country, as well as by immigration officials and professionals.
- The chatbot can access and process information from a variety of sources, including government websites, legal databases, and expert opinions. It can then use this information to answer user questions and provide personalized advice.
- Some of the features that an Immigration-Policies-Consultation-Chatbot may include:
 - Information about different types of visas and immigration pathways
 - Eligibility requirements and application procedures
 - Processing times and fees
 - Appeals and legal remedies
 - Resources for new immigrants

What is Chat bot?

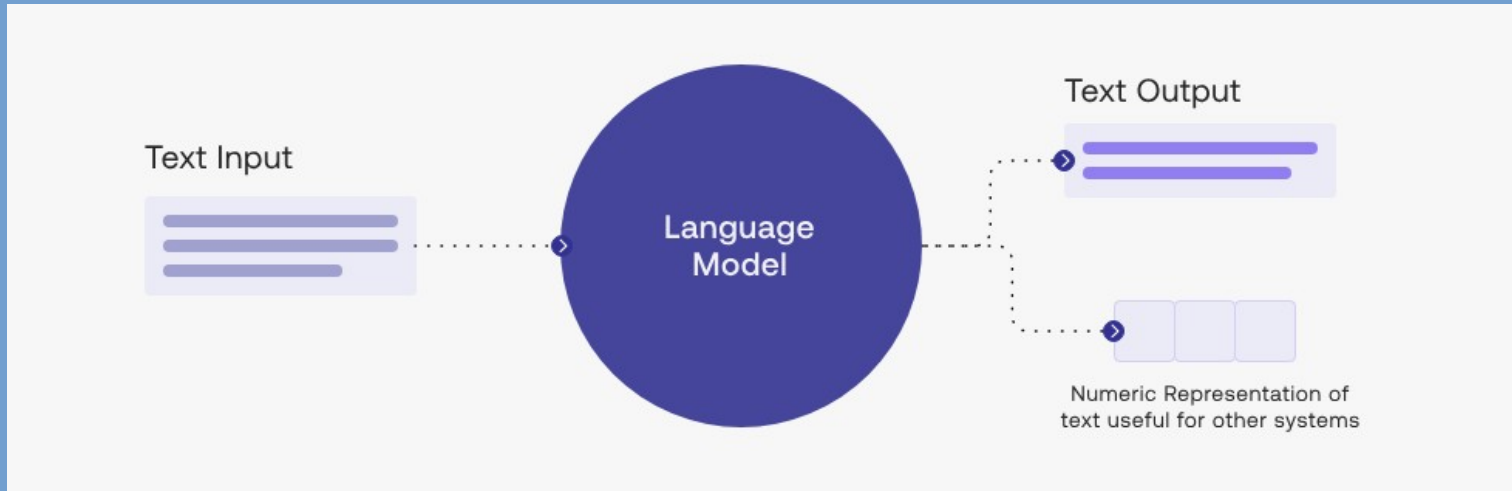
Chat-bot is a computer programs designed to simulate **human conversation**.
Used for various purposes: **customer support, information retrieval**, and more.



What are Large Language Model (LLM)?

LLMs like **GPT-3** and **GPT-4** are powerful AI models for natural language processing and generation.

They can understand and generate human-like text.

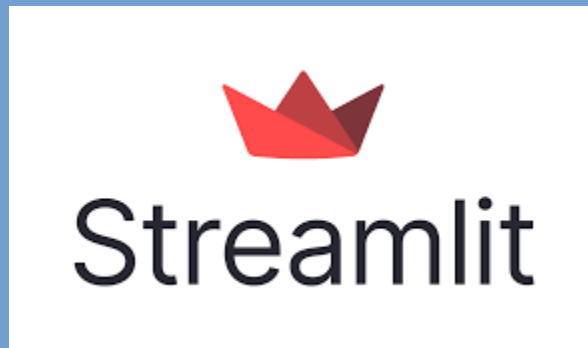


Overview of Streamlit

Streamlit is an open-source Python library for creating web applications with minimal effort.

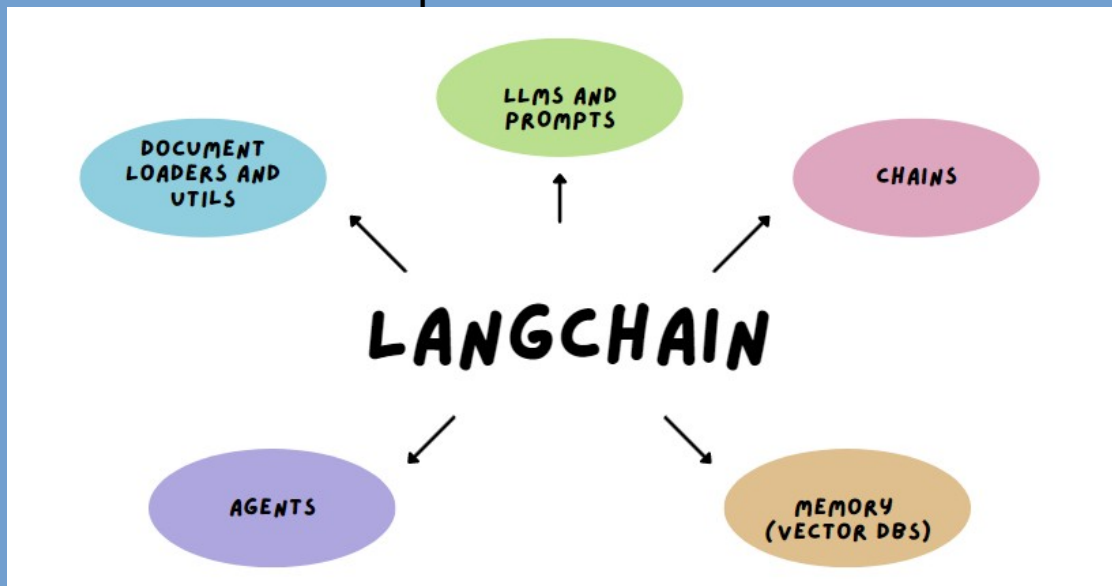
Key Features:

- Easy-to-use
- Real-time updates
- Integration with Python data libraries



Introducing Langchain

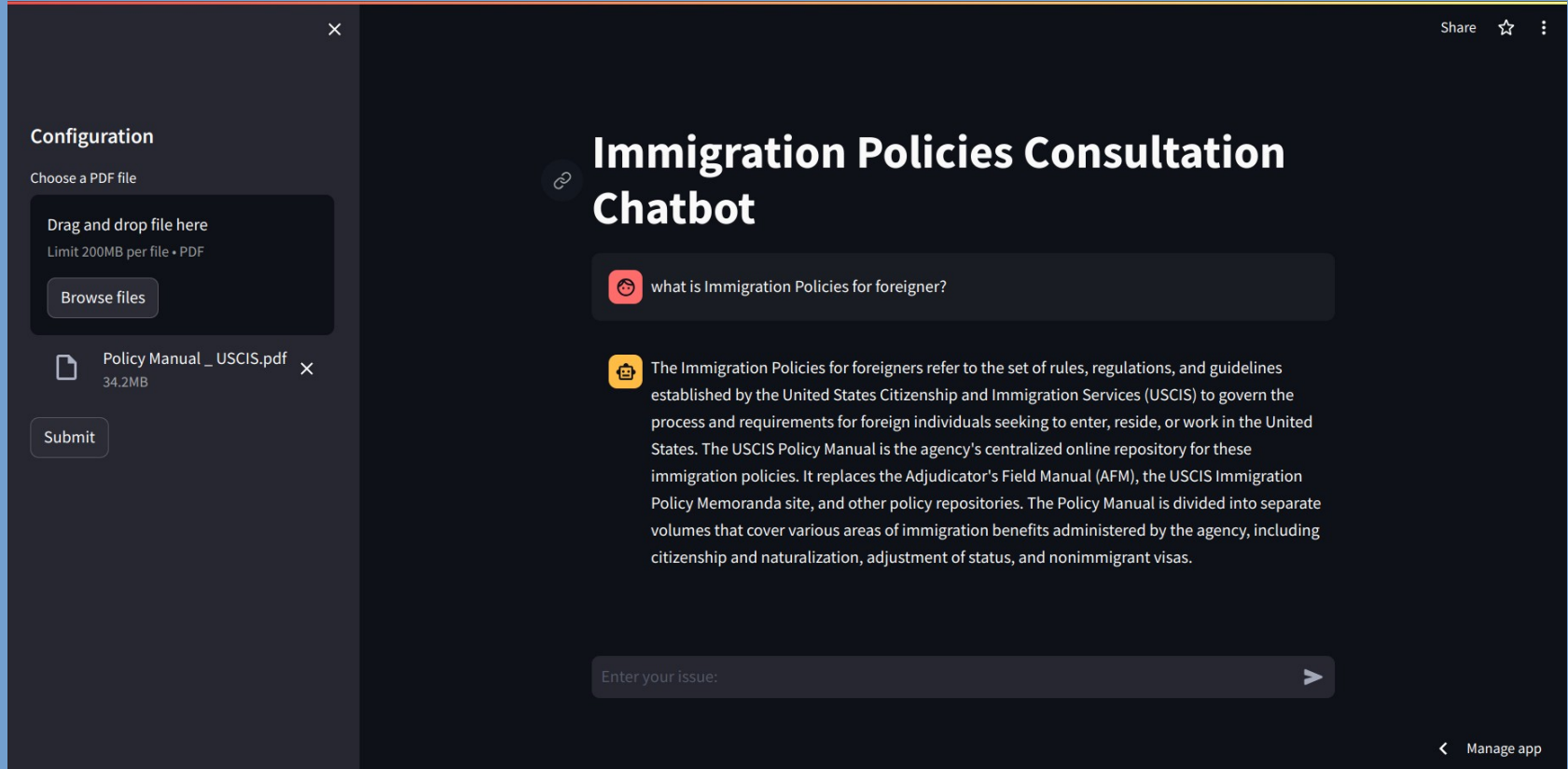
- Langchain is a tool for building chatbots.
- It contains agents and chains to process text data.
- Helps streamline chatbot development



VECTARA

- Vectara is a large language model (LLM) that is designed to be factual and reliable. It uses a retrieval-augmented generation approach, which means that it first retrieves the most relevant facts from a dataset and then uses those facts to generate a response.
- It is factual and reliable. Vectara's responses are based on real-world facts and data.
- It is versatile. Vectara can be used for a variety of tasks, including answering questions, generating different creative text formats, and translating languages.

UI IMAGES





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