**Legal Chatbot for Indian Laws**

This project is a simple chatbot that provides answers to legal questions based on Indian laws. The chatbot is designed to assist users with commonly asked legal questions, leveraging a combination of preloaded FAQs and OpenAI GPT for more complex queries. The application is built using Python and Streamlit for an intuitive web interface.

**Features**

* **FAQ-Based Responses**: Preloaded answers for common legal questions related to Indian laws.
* **AI-Powered Answers**: Uses OpenAI GPT for queries not covered in the FAQ dataset.
* **Interactive Web Interface**: Built with Streamlit, allowing users to interact easily with the chatbot.
* **Legal Resources**: Links to official legal resources such as [India Code](https://www.indiacode.nic.in/).

**Installation**

**Prerequisites**

* Python 3.7 or higher
* OpenAI API key (sign up at [OpenAI](https://platform.openai.com/) to get your API key)

**Required Libraries**

Install the necessary Python libraries using pip:

pip install openai streamlit

**Step-by-Step Instructions**

**Step 1: Download the Code**

1. Copy the chatbot script provided in the project documentation or source code.
2. Save it to a file named legal\_chatbot.py.
3. Create a dedicated folder (e.g., LegalChatbot) on your computer and save legal\_chatbot.py in this folder.

**Step 2: Set Up Your Environment**

1. Install Python 3.7 or higher if not already installed.
2. Obtain your OpenAI API key by signing up on [OpenAI's platform](https://platform.openai.com/).

**Step 3: Install Dependencies**

1. Open a terminal or command prompt.
2. Navigate to the folder where legal\_chatbot.py is saved.
3. Run the following command to install the required libraries:

pip install openai streamlit

**Step 4: Run the Chatbot**

1. In the terminal or command prompt, execute the following command:

streamlit run legal\_chatbot.py

1. Wait for Streamlit to start. It will provide a local URL (e.g., http://localhost:8501).

**Step 5: Access the Web Interface**

1. Open a web browser.
2. Enter the URL provided by Streamlit (e.g., http://localhost:8501).
3. The chatbot interface will load, ready for use.

**Step 6: Ask Questions**

1. Type any legal question related to Indian laws into the input field.
2. The chatbot will provide an answer based on:
   * Preloaded FAQ responses for common queries.
   * AI-powered responses for more complex or unique questions.
3. If available, links to additional legal resources (e.g., [India Code](https://www.indiacode.nic.in/)) will be provided.

**Step 7: Expand or Customize**

1. **Add More FAQs**: Open the legal\_chatbot.py file and edit the FAQ\_DATA list to include more questions and answers.
2. **Enable Regional Languages**: Integrate translation APIs like Google Translate for multi-language support.
3. **Deploy Online**: Consider deploying the chatbot to cloud platforms like Heroku, AWS, or Streamlit Cloud for wider accessibility.

**FAQ Dataset**

The chatbot comes with a predefined set of frequently asked questions. Here are some examples:

|  |  |  |
| --- | --- | --- |
| **Topic** | **Question** | **Answer** |
| Property Rights | What are my rights as a tenant? | As a tenant, you are entitled to a rent agreement, no arbitrary eviction, and receipt for rent paid. |
| Labor Laws | What is the minimum wage in India? | The minimum wage in India varies by state and industry. Check your state's labor department website for details. |

You can expand the dataset by editing the FAQ\_DATA list in the code.

**Customization**

1. **Expand FAQ Dataset**: Add more questions and answers in the FAQ\_DATA list within the script.
2. **Regional Language Support**: Integrate translation APIs like Google Translate for handling multilingual queries.
3. **Deploy to the Cloud**: Host the application on platforms like Heroku, AWS, or Streamlit Cloud for broader accessibility.
4. **Legal Disclaimer**: Include a note clarifying that the chatbot provides general legal information and not professional legal advice.

**Example Questions**

* "What are my rights as a tenant?"
* "Can a landlord increase rent arbitrarily?"
* "What is the cooling-off period for online purchases?"

**Legal Disclaimer**

This chatbot is intended to provide general information about Indian laws and does not constitute legal advice. For specific legal concerns, please consult a qualified lawyer.

**Resources**

* [India Code](https://www.indiacode.nic.in/): Official repository of Indian laws.
* [Consumer Helpline](https://consumerhelpline.gov.in/): FAQs and resources for consumer rights.

**AI TOOL USED TO CREATE CODE :**

* **chatgpt**