Results

Purpose: Designed to serve as an AI-powered legal chatbot for the Department of Justice (DOJ) website in India.

Core Function: Provides accurate, context-aware legal assistance related to the Indian Penal Code (IPC) and DOJ services.

Multilingual Support: Supports 15 Indian languages, enabling users to receive responses in their preferred regional language via Google Translator API.

AI Technology:

- Uses Google Gemini (gemini-1.5-pro) for intelligent content generation.
- Employs HuggingFace's InLegalBERT for law-specific text embeddings.

Data Processing:

- Legal text is split into chunks using RecursiveCharacterTextSplitter.
- Chunks are embedded and stored in a FAISS vector store for similarity-based document retrieval.

Context-Aware Responses:

- Relevant legal content is retrieved based on user queries.
- Full prompts are created by combining the user's question with legal context for precise answers.

Conversation Memory:

- Uses ConversationBufferWindowMemory to remember the last few exchanges for improved conversation flow.

User Interface:

- Built using Streamlit with an intuitive, wide-layout interface.
- Includes language selector, reset button, and dynamic message rendering.

Disclaimer Integration:

- Responses include a gentle reminder to verify legal content, maintaining ethical standards.

Reset & Rerun:

- Users can reset the conversation to start fresh at any point using the provided button.

Legal Accessibility:

- Bridges the gap between legal services and the public, especially for underserved or rural communities.

Output: