

AI-Powered Legal Assistance Tool with Dual LLM Architecture for Central & State Laws[AI-DLLM]

Introduction

The proposed solution is an AI-driven legal assistance platform designed to streamline access to Central and State laws in India. It features:

Two specialized LLM models – one trained on Central laws (e.g., IPC, CrPC, BNS) and another on State-specific legislations.

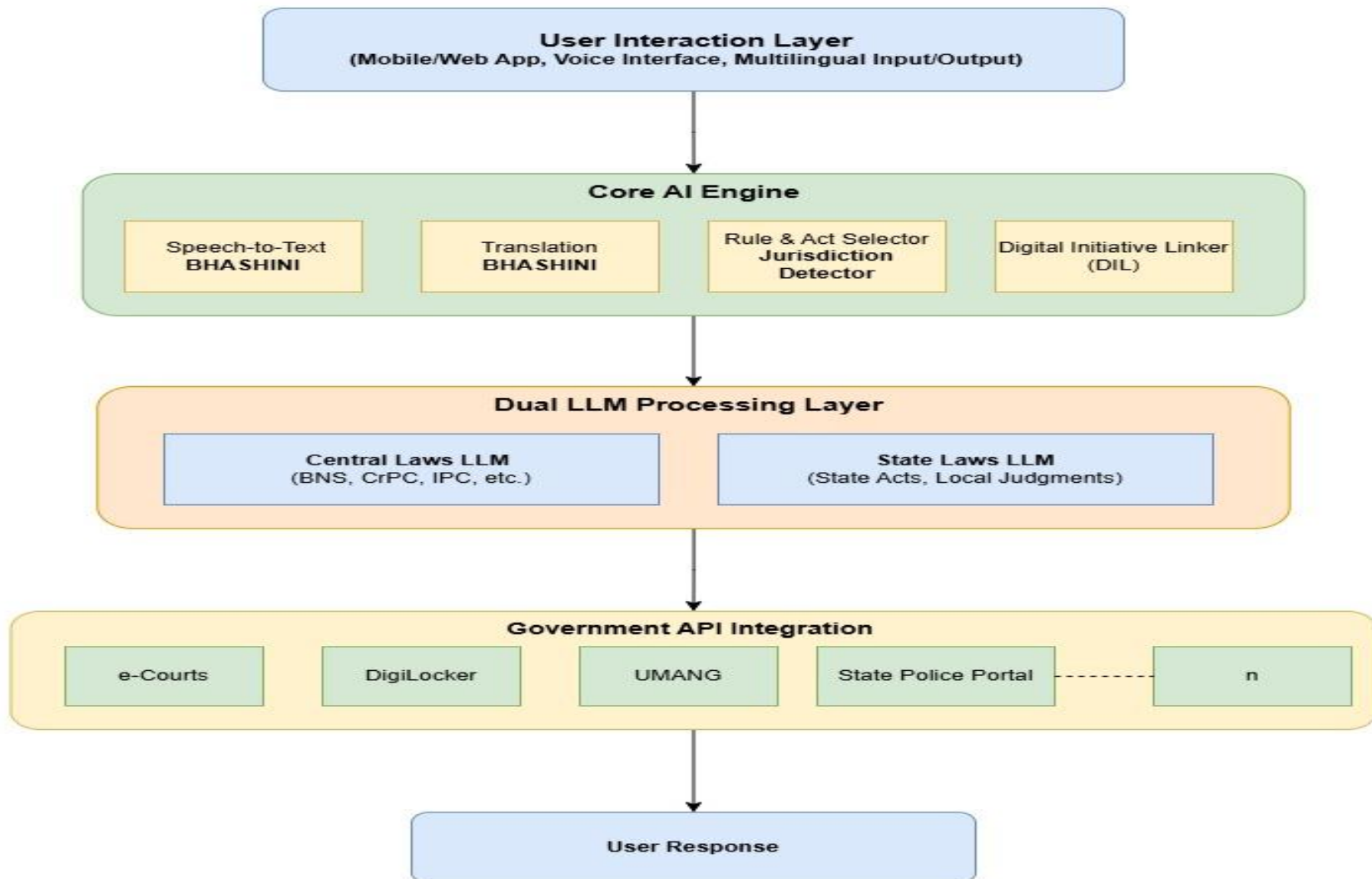
A Rule & Act Selector Module to automatically determine whether a query falls under Central or State jurisdiction.

A Digital Initiative Linker (DIL) to integrate with government platforms like e-Courts, DigiLocker, and other Digital India services via APIs.

This system ensures accurate, jurisdiction-specific legal guidance while bridging gaps between citizens, police, and judiciary through seamless digital integration.

Technical Stack to be used*

Architecture



Building Dual LLM Model

Data Collection & Curation

- Central LLM Training Data
 - Government Gazettes-BNS, CrPC, IPC, Evidence Act PDFs etc..
 - Supreme Court Judgments-SCR, AIROnline, Livelaw'
- State LLM Training Data
 - State Police Manuals-Telangana Police Act, Local Bye-laws
 - High Court Judgments
- Use Llama 3 or GPT-4 as base models, fine-tuned on Indian legal texts.
- Implement RAG (Retrieval-Augmented Generation) to fetch real-time legal updates.

Model Selection & Training

- Base Model Options
 - Llama 3 (7B)-Open-weight, fine-tunable, cost-effective Requires prompt engineering for accuracy
 - Mistral 7B-Strong multilingual support Smaller context window (8k tokens)
 - GPT-3.5 Turbo-API-ready, good baseline

Digital Initiative Linker (DIL)

Purpose: Integrates with government digital services to provide end-to-end legal assistance.

Linked Platforms:

- e-Courts API – Check case status, download orders.
- DigiLocker – Fetch legal documents (FIR copies, judgments).
- UMANG – Access other government services (e.g., passport, Aadhaar linking).

Workflow Example:

- A user asks, "How to check my court case status?" → DIL fetches data from e-Courts via API.

Why This Solution?

1. Eliminates Jurisdictional Confusion

- Citizens often struggle to identify whether an issue falls under State or Central law. The Rule & Act Selector automates this decision.

2. Precision Legal Guidance

- **Dedicated LLMs ensure accurate, localized responses (e.g., variations in liquor laws across states).**

Why This Solution?

3. Seamless Digital Integration

- DIL eliminates manual effort by linking queries to e-Courts, DigiLocker, etc., reducing bureaucratic delays.

4. Scalable for Future Laws

- The modular design allows easy updates when new laws (e.g., BNS replacing IPC) are introduced.

Conclusion

The AI-Powered Legal Assistance Tool with Dual LLM Architecture represents a transformative approach to bridging the gap between citizens, law enforcement, and the judiciary in India. By leveraging two specialized LLM models—one for Central laws (BNS, CrPC, IPC) and another for State-specific legislations—this solution ensures accurate, jurisdiction-aware legal guidance in real time.