LexiBot : Your AI-Powered Legal Navigator

Democratizing Legal Information and provides you best solution

College - Dr. Akhilesh Das Gupta Institute of professional studies

Team : AI TODDLERS

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The Problem - Why Legal Help Feels Out of Reach

Legal advice is expensive

Out of reach for many , creating a significant access gap.

Complex legal language

Confuses non-lawyers , leading to misunderstandings and errors.

Case research is time-consuming

Requires significant time and effort, even for professionals.

Difficulty finding similar cases

Pinpointing relevant past cases is a common challenge , hindering effective legal strategy.

Our Solution - Meet LexiBot

Empowering users with instant, actionable legal insights.

LLM-powered Legal Assistant

Understands your specific case context with high accuracy.

Multi Language + Text

For natural, intuitive interaction, making legal assistance accessible to all.

Intelligent Search Using Past Cases

Retrieves similar case references and legal resources swiftly.

Actionable Suggestions

Provides clear next steps, empowering users to take informed action.

How LexiBot Works - End-to-End Flow

1 **User Gives Input**
Voice or text describing the legal issue.

2 **Speech-to-Text + NLP**
Converts input into a structured query for analysis.

3 **LLM Understands Case Context**
Leverages legal prompts for accurate interpretation.

4 **Search Engine / Case Law Database**
Identifies and retrieves similar legal precedents.

5 **LLM Synthesizes Information**
Compares cases , extracts outcomes , and identifies best solutions.

6 **LexiBot Provides Suggestions**
Delivers actionable advice with references and clear solutions.

7 **Outputs Via Text / Speech**
Presents results clearly , with optional voice output for accessibility.

The Tech Behind LexiBot

Natural Language Processing (NLP)

To understand nuanced legal context and user intent, ensuring accurate interpretations.

Retrieval-Augmented Generation (RAG)

Merges LLM reasoning with real-time data search for comprehensive, accurate answers.

LLM Integration

Fine - tuned groq for domain-specific legal reasoning and accurate results.

Search Integration

Utilizes Google Search API or public legal document scraping for extensive case law access.

User Interface

Simple and intuitive, developed with Streamlit or React for a seamless user experience.

Demo – LexiBot in Action: Security Deposit Dispute

example – **User Query (Voice):** "My landlord isn't returning my deposit. What are my options?
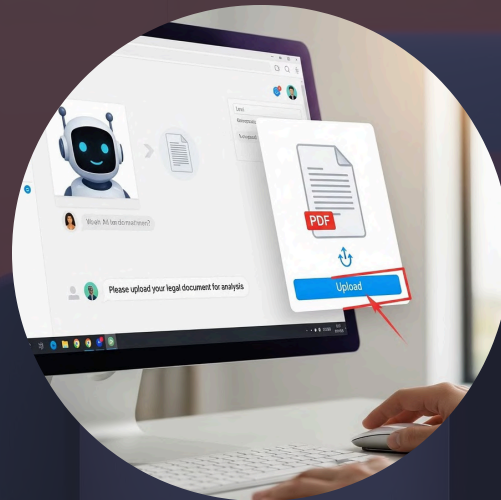
- Converts speech to text.

- Interprets context with LLM.

- Searches similar cases.

- Synthesizes step-wise suggestions.

LexiBot's Output:

1. Review your lease for deposit clauses.

2. Send a formal demand letter (template provided).

3. File a claim in small claims court if unresolved.

worried about legal case
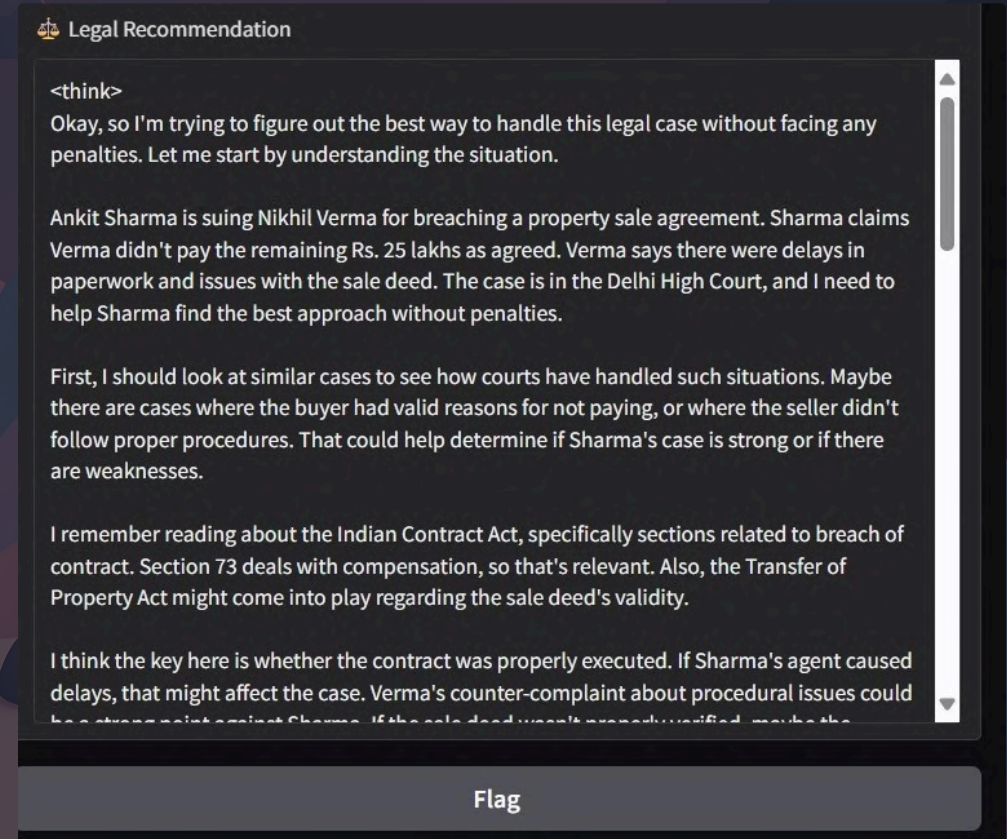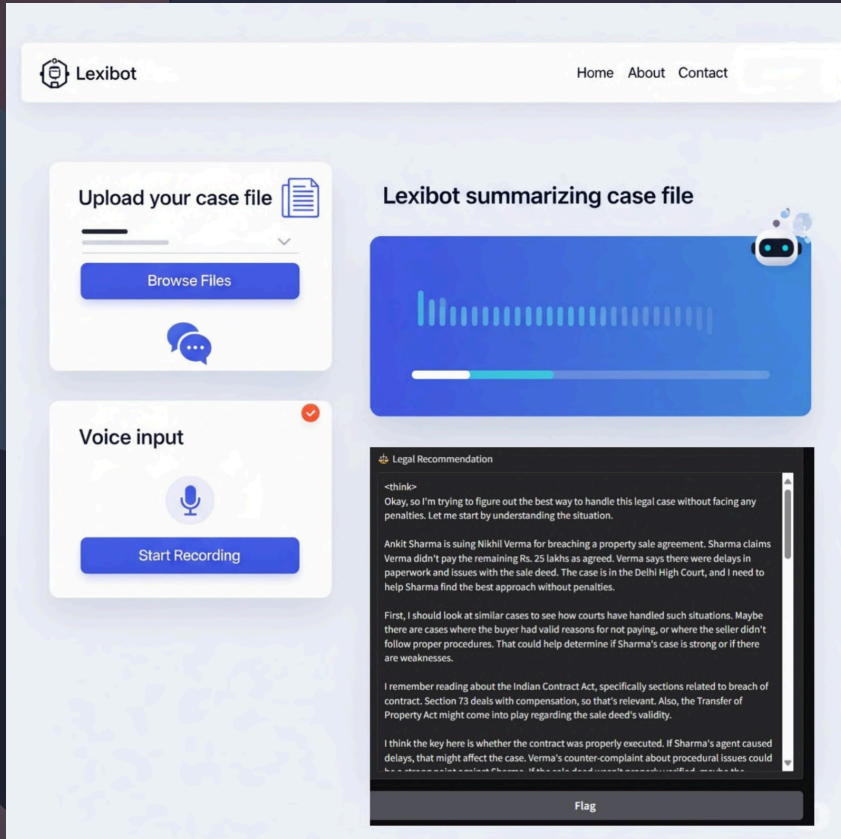
uploaded FIR file on LexiBot

LexiBot analyzing case and providing best solutions

user being happy after results

LexiBot Actionable Output

LexiBot provides a clear, concise overview of your legal situation, offering both in-depth analysis and practical steps forward.

Impact & Future Potential

Bridges Legal Access Gap

For underserved individuals , promoting equitable access to legal information.

Saves Time and Money

For individuals and paralegals, streamlining research and initial advice.

Next Steps

- Regional law integration (e.g., Delhi-specific laws).
- Auto-document drafting (e.g., notices, complaints).
- Multi-language & voice AI support.
- Legal Aid chatbot integration for broader reach.

Ethical AI in Legal Use

Disclaimer

LexiBot provides legal information and suggestion , not legal advice. Users should consult a qualified legal professional for specific guidance.

Data Privacy

Secure handling of all user-submitted case information, adhering to strict privacy protocols and encryption standards.

Bias Awareness

LLM's are not perfect. We remain mindful of their limitations and continuously monitor outputs for fairness and accuracy, implementing corrective measures as needed.

Team & Acknowledgements

Sumit Yadav - Concept , Backend , LLMIntegration

Sagar Jain - Voice Input , frontend

Vaibhav Kathait - UI/UX Design, Testing

Sarthak Kumar - Legal Research , Content Curation

Contact

Thank you for your time . Please reach out with any questions!

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