



Regulatory Compliance Checker for Legal Documents Leveraging AI

Streamlining Contract Analysis with Advanced Technologies



Introduction



What is the Regulatory Compliance Checker?

- A tool designed to simplify and automate the analysis of legal documents.
- Uses AI to ensure contracts comply with regulatory standards and identify legal risks.



Problem Statement

Challenges in Legal Document Compliance:

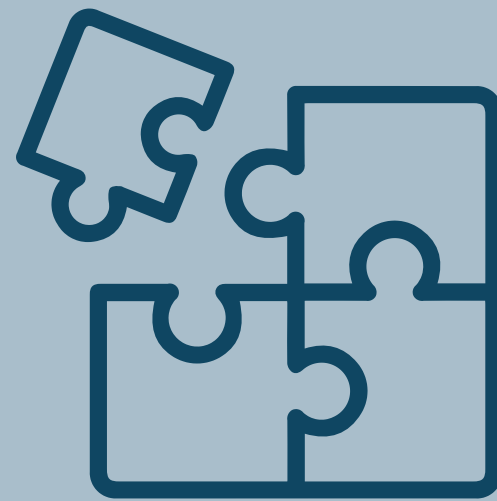
- Manual review is time-consuming and error-prone.
- Difficulty in identifying regulatory risks and non-compliance issues in lengthy contracts.
- Lack of tools to compare contracts efficiently with existing references.



Project Objectives



- Streamline contract analysis using AI-powered automation.



- Identify key clauses and compare them against a database of sample contracts.



- Provide insights into compliance levels, potential risks, and recommendations for improvements.

Technology Stack

Backend: FastAPI

Frontend: Streamlit

Database: Chromadb for contract storage and retrieval

AI Analysis: Groq LLM API



Features

- **Automated Clause Extraction:** Identifies key legal clauses using AI.
- **Compliance Analysis:** Evaluates the contract against legal and regulatory requirements.
- **Risk Detection:** Highlights potential legal threats and compliance gaps.
- **Detailed Recommendations:** Provides actionable insights for contract improvement.
- **User-Friendly Interface:** Simple and interactive dashboard for seamless document handling.



Future Improvements

- Expand the database to include global regulatory samples.
- Integrate multi-language support for international contracts.
- Enable real-time updates on regulatory changes.
- Develop a feedback loop to improve AI accuracy and clause matching over time.



Conclusion



- The Regulatory Compliance Checker leverages cutting-edge AI technologies to simplify and enhance legal document analysis.
- It reduces manual effort, improves accuracy, and ensures adherence to regulatory standards.
- Future developments will further refine its capabilities, making it an indispensable tool for legal professionals and organizations.





Thank you

