Conversational AI Integration for a Leading Contract Lifecycle Management Platform

Client Overview :

In the San Francisco Bay Area, USA, the company is a leading innovator in legal tech solutions. We worked on specializing in Contract Lifecycle Management (CLM) and AI-driven solutions.

Project Overview :

The project focused on developing a Conversational AI engine to enhance the querying capabilities of legal contracts within CLM software. The solution included training a domain-specific classification model capable of categorizing contract clauses into over 1,000 predefined categories, significantly improving the accuracy and performance of the Conversational AI engine.

Challenges :

- Integrating a Conversational AI engine into existing CLM software applications.
- Designing and training a domain-specific classification model to handle legal contract clauses with high accuracy.
- Handling a large and diverse dataset of legal clauses to build a robust classification model.
- Ensuring seamless integration of the AI engine into the backend of the CLM software.

Technologies :

- **Programming Language:** Python
- **Machine Learning Framework:** PyTorch
- **Expertise Areas:** Algorithm Design, Backend Development, and Natural Language Processing (NLP)

About Incresol

Established in 2011, Incresol is a leading provider of outsourced software development services specializing in SAP, enterprise e-commerce, mobility, and custom application development. With Headquarter in Dallas, Texas, USA, and a global development facility in Hyderabad, Telangana, India.

Incresol delivers both onsite and offshore project solutions tailored to client needs.

Specialized in :

SAP ERP ECC, SAP S/4 HANA, SAP BTP, RISE with SAP, SAP Integration Suite, Successfactors, SAP ERP (Implementation, Integrations, Migration, Archiving, Upgradation, AMS Services (Support), etc.), not limited to.

Migration Approach:

• Developed and trained a domain-specific classification model to classify over 1,000 categories of contract clauses.

• Designed the backend and algorithms to integrate the Conversational AI engine seamlessly into the CLM application.

Implementation Highlights:

• Created a robust domain-specific classification model with over 1,000 categories, enabling precise categorization of contract clauses.

• Ensured high accuracy in contract clause classification, significantly improving the Conversational AI's efficiency.

• Designed a scalable and efficient backend system to support the AI engine.

• Delivered a seamless integration of the AI engine with the existing CLM application.

Engagement Model :

Ongoing Project

Incresol's Achievements :

• Enhanced Query Accuracy: Trained a specialized model to accurately classify over 1,000 legal contract clause categories.

• Improved AI Performance: Designed and implemented an efficient backend for the Conversational AI engine.

• Seamless Integration: Delivered a smooth and effective integration with the client's existing CLM software.

• Domain Expertise: Demonstrated expertise in NLP and AI, ensuring the success of the project in a niche industry.

This project exemplifies Incresol's capability to deliver cutting-edge AI and NLP solutions, tailored to meet the specific needs of industries like Contract Lifecycle Management.

Global Headquarters :
Incresol Inc.
851 International Pkwy,
Suite #100, Richardson,
Dallas, TX, USA, - 75081.
Tel: (704) 464 - 6994

Global Headquarters :
Incresol Software Service Private Limited
Sai Galleria, 4th Floor, Plot No. 472,
Road No. 36, Jubilee Hills,
Hyderabad, Telangana, India - 500033
Tel: +91-7207208877