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oneAPI

Gen AI HACKATHON

- An LLM Challenge

Team Name: Legalysis

Problem Statement: Enhanced Legal Practice Platform

Team Size: 3

Team Members: Bhuvanesh Cheerla, Hari Tummuri, Kodeeswaran C

H2S HACK2SKILL

Problem Statement

1

Legal professionals face increasing pressure to handle complex cases and provide accurate legal advice in a timely manner.

Legal professionals often spend a significant amount of time on research and analysis, taking away from other important aspects of their work.

4

2

The sheer volume of legal information available can make it difficult to efficiently extract relevant information.

Efficient tools for managing legal documentation, providing document summarization and litigation strategies can reduce errors and delays, improve client satisfaction, and enhance the productivity of legal professionals.

3

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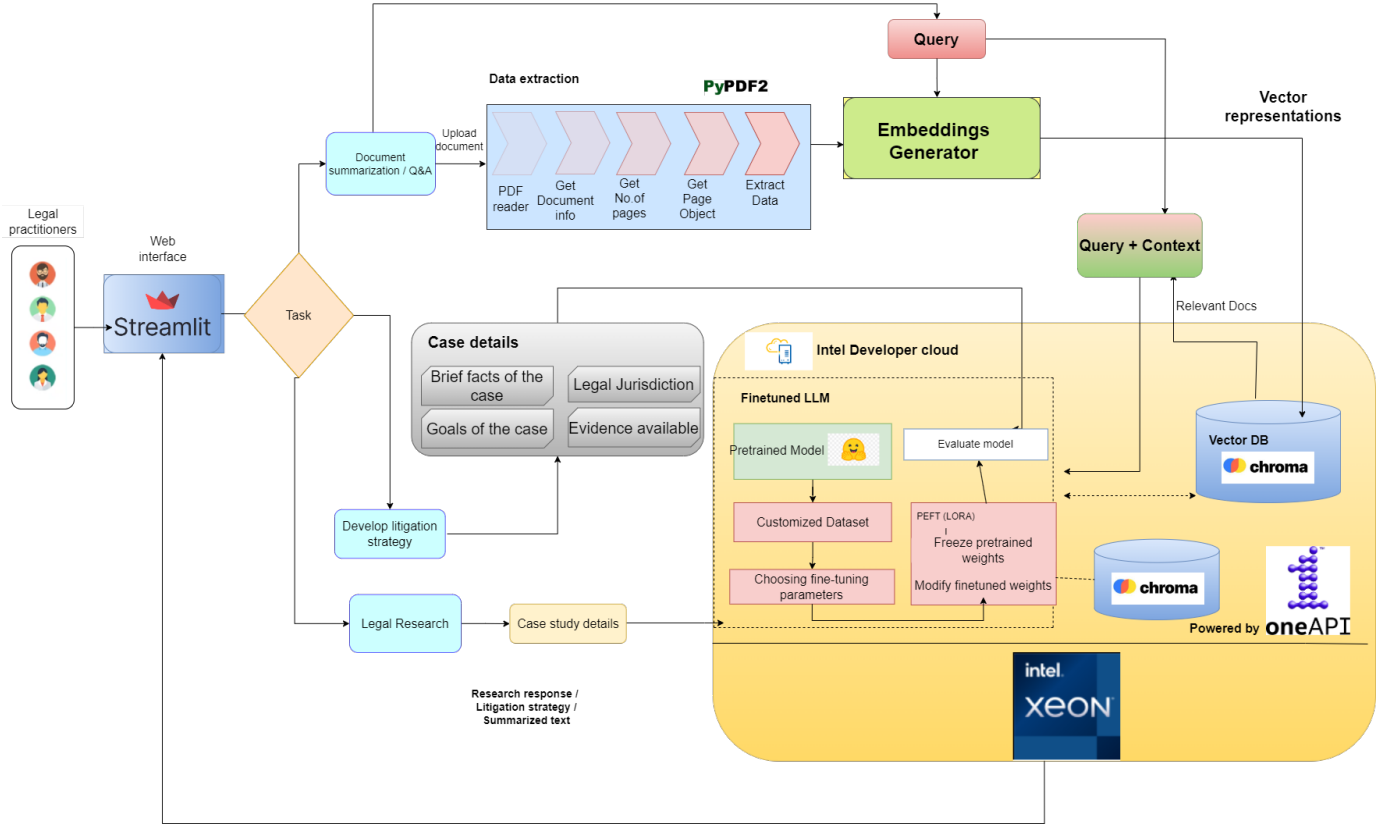
Architecture – Impact of oneAPI AI Toolkit (How oneAPI helped you?)



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Core components of oneAPI AI Toolkit & IDC used in the project

- Hosting the application

- Fine tuning a large language model.

- Modin library for data loading and processing them.

- Ipex for faster inference.

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Demo Video/Live Demo Link
(Please elaborate oneAPI AI Toolkit & its Libraries usage and IDC)

Video Link: https://drive.google.com/drive/folders/1c3iEjmGdZgkF5c00i9i8VzFphx_6o6Lz?usp=sharing

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GitHub Link (Codes should be public and available after hackathon also)

GitHub Link: https://github.com/hari-tummuri/oneAPI-GenAI-Hackathon-2023

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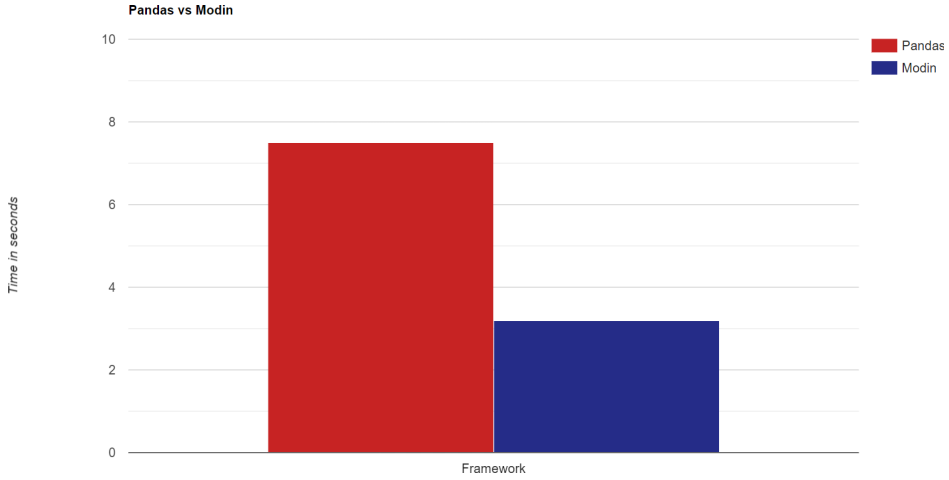
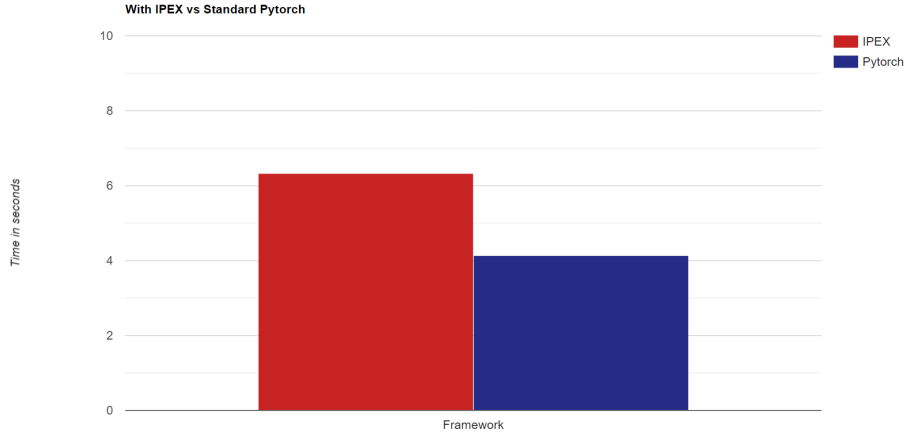
Results Summary (focus on unique aspects of oneAPI AI Toolkit & its Libraries + IDC that you have used)

We are able to see a significant improvement of performance by using intel distribution modin & intel optimized Pytorch.

We were able see almost 22% performance improvement using intel optimized Pytorch and 60% improvement using Modin library.





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THANK YOU

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