PROBLEM STATEMENT 17:

Business Contract Validation -To Classify Content within the Contract Clauses and Determine Deviations from Templates and highlight them.

Category: Machine Learning, Generative AI, Front-end Development

Participants: 5th-8th Semester Students

Description:

Business contracts are legal documents. The first task is to parse these documents so that have a structure to them. Determine the key details within the contract document. Every contract has clauses and sub-clauses. The next step is to classify the contents of the parsed documents to these clauses. Typically, a contract has an associated template to it, and it is important to determine the deviations from that template and highlight them.

Hardware Requirements:

- Development – Intel Ultra Core
- Production – Intel 4th/5th Gen Xeons
- Fine-Tuning/Inference Scale – Intel Gaudi 2

Skill Development:

- Linux
- Python Development
- Machine Learning
- Generative AI Techniques
- Front-end Development with ReactJS
- MongoDB, MySQL (state persistence)

Advanced Skills:

- Intel vTune Profiler
- Intel oneAPI
- DevOps: Build/Deploy
- Serving with FAST API
- Deployment with Dockers, Kubernetes
- Professional UIs
- DB DevOps: Install/Initialize/Backup/Restore

Intel AI Workbench Components

Application

PDF-Parser	Text-Classifier	PDF-Highlighter	OCR

NER	Text-Compare	Summarizer

Management

Functions Time Profiler	Log Manager