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SARAF NIHAL CHANDRA

Objective

A highly motivated and enthusiastic computer science student seeking an opportunity to apply and expand my technical skills in a challenging environment. Eager to contribute to innovative projects and learn from experienced professionals.

Skills

Programming	C++, Java, Python
Web Technologies	HTML, CSS, JavaScript
Database	MySQL
Concepts	Data Structures and Algorithms, Operating Systems, Computer Networks
Tools	GitHub, VS Code
Soft Skills	Problem-solving, Teamwork, Communication, Time Management

Education

Keshav Memorial Institute of Technology
2023 - Present
Hyderabad, India

B.Tech - GPA: 7.4

Sri Chaitanya Junior College
2021 - 2023
Hyderabad, India

Intermediate - 92.5%

Johnson Grammar School
Completed 2021
Hyderabad, India

High School - 75%

Projects

IPL Prediction
Aug 2024 - Feb 2025

A MERN stack and Machine Learning application to predict IPL match outcomes.

Tools & Technologies Used: MongoDB, Express.js, Node.js, HTML, CSS, Bootstrap, Python, Decision Tree.

- Developed a full-stack application using the MERN stack for the user interface and backend API.
- Implemented a Decision Tree machine learning model to predict match outcomes, achieving an accuracy of 83%.
- Designed a system architecture that integrates a Node.js backend with a separate Python prediction service.

Legal Document Summarization
Mar 2025 - May 2025

An AI-powered system to extract and generate concise summaries of lengthy legal documents for faster understanding.

Tools & Technologies Used: Python, PyTorch, Hugging Face Transformers (LED/BART), FastAPI, React, Node.js, Express, MongoDB, Tesseract.js (OCR).

- Developed and fine-tuned deep learning models (LED/BART) for abstractive summarization of legal documents.
- Built a full-stack web application using React, Node.js + Express, and FastAPI for seamless integration.
- Implemented OCR with Tesseract.js and PDF parsing for text extraction from scanned documents.

SmartDocQ
Aug 2025 – Present

An intelligent Q&A system that uses RAG and Google Gemini to answer user questions from various document formats.

Tools & Technologies Used: Python, FastAPI, Google Gemini API, FAISS/Pinecone (Vector DB), React/Streamlit, MongoDB, PyMuPDF.

- Utilized Retrieval-Augmented Generation (RAG) with the Google Gemini API to provide accurate, context-aware answers.
- Engineered a document processing pipeline that extracts text, creates semantic embeddings, and stores them in a vector database for efficient retrieval.
- Developed a full-stack application with a Python backend (FastAPI) and a user-friendly frontend (React/Streamlit), including features like user authentication and chat history.

Certificates & Achievements

Certificate of Completion: SmartDocQ
Aug 2025

KMIT Project School

Certificate of Completion: Legal Document Summarization
May 2025

KMIT 2nd Year Project School

Certificate of Completion: IPL Cricket Match Prediction System
Feb 2025

KMIT Analytics Project School