Rithwik Marpally

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Technologies

Languages: C++, C, Java, SQL, Python

Stacks: MERN (MongoDB, Express.js, React.js, Node.js)

Operating Systems: Windows, Linux

Database Management Systems (DBMS): MySQL, PostgreSQL, MongoDB

Others: Machine Learning,Web Scrapping,LLM

Projects

LAW Assistance | MERN, Python, Large Language Models

Designed and developed a web-based legal assistance platform that provides users with access to fundamental legal knowledge, case materials, and legal updates.

an Large Language Model (RAG) Chatbot and Research Bot to assist users in answering legal queries and retrieving case-related documents efficiently.

Samvaad -Interview Assistance |MERN stack, Python, Vision-Language Model (VLM)

Developed an AI-powered interview preparation platform that provides candidates with real-time feedback, debugging challenges, and personalized learning experiences.

Integrated dynamic data-driven interview questions that adapt based on the user's experience, skill level, and past responses.Leverages a Vision-Language Model (VLM).

Developed a built-in IDE (Integrated Development Environment) to allow candidates to write, test, and execute their code directly within the platform.

Heart Health Monitoring | React.js, Flask, Python, Machine Learning

Built a web-based **health monitoring system** that predicts the risk of heart disease based on key vitals such as **blood pressure, pulse rate, respiration rate, temperature, and weight**.

Utilized **Machine Learning models** to analyze patient data and provide early warnings about potential heart conditions.

Education

Keshav Memorial Institute Of Technology | B.Tech in Computer Science **CGPA:** 8.1	2022 - 2026
Deeksha junior college | M PC **Percentage:** 97.5%	2022
Pioneer's International School | Sanga reddy | CBSE **CGPA:** 9.26	2020

Achievements

- Selected as one of the Top 10 finalists at the IIT Bombay Pulse Hackathon for "Mayabazar," competing among over 200 teams.

- Active member of Rotaract KMIT, contributing to community service and leadership initiatives.