

HARSH PIMPALE

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PROJECTS

LegalMind - A Legal Assistance

A platform that utilizes LLM to assist users with legal queries based on Indian laws.

- Collected and processed law datasets, creating vector embeddings of IPC sections and other legal resources.
- Developed features including summarization of document, document-based question-answering, scenario-based question-answering for legal advice, and argument suggestions using Gemini's LLM
- Technology Used: FlaskAPI, Gemini, Langchain, Faiss Vector Embedding, ReactJs.

Ayurveda GPT

A chatbot to provide personalized guidance on Ayurveda practices.

- Built a FAISS database with Ayurvedic remedy data for user-driven health advice and a Prakriti assessment quiz.
- Designed a chatbot to deliver user-specific health insights and remedy suggestions based on Ayurvedic texts.
- Technology Used: GeminiAPI, Streamlit, Faiss Vector Embedding, Langchain.

Data Analysis WebApp

A Web application built for visualizing a dataset, allowing users to explore data through various chart types and filters.

- Developed a React.js based web app that processes CSV data, enabling multi-format visualization through Chart.js.
- Developed data transformation functions to parse, filter, and prepare CSV data for use in diverse visualizations, providing users with flexible insights.
- Implemented interactive filtering options that allow users to isolate and transform specific dataset segments for targeted analysis.
- Technology Used: ReactJs, ChartJs, NodeJS, ExpressJs, MongoDB.

College Community Hub

A platform to help students participate and organize events.

- Developed features such as separate interfaces for different colleges, chat functionality using websockets, group chat, event posting, event participation data handling and task allocation for event organization.
- Integrated an AI-based chatbot for task management, for administrators to assign tasks via informal commands.
- Technology Used: HTML, CSS, EJS, NodeJS, ExpressJs, Nodemailer, Socket.io, MongoDB, Cloudinary.

SKILLS

Languages: Python, Javascript, Java

Web Development: Node.js, WebSockets, JWT, HTML, CSS, EJS

Cloud/Databases: MongoDB, SQL, Firebase, Cloudinary

Frameworks/Libraries: React.js, Express.js, Socket.io, Flask, TensorFlow

Data Science/AI Tools: Faiss Vector Embedding, LangChain, Gemini API, LLMs (Large Language Models)

Soft Skills: Problem solving, critical thinking, logical reasoning, teamwork

EDUCATION

Bachelor of Engineering in Computer Science and Engineering - 8.13 2021-25

Maharashtra Secondary High School - 81.17% 2019-21

CERTIFICATIONS

Web Development Bootcamp, Angela Yu (Udemy) 2023

Data Structures, UC San Diego (Coursera) 2022

Algorithmic Toolbox, UC San Diego (Coursera) 2022

POSITIONS OF RESPONSIBILITY

Tech Lead Google Developer Student Clubs (GDSC), SJCEM 2023 - 2024

Webmaster Sophisticated and Perpetual Coders Association (SPCA), SJCEM 2022 - 2024

ACHIEVEMENTS

Winner - Competitive Coding Competition 09/03/2023

Finalist - Smart India Hackathon 2023 20/12/2024