SREEHARI S

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ACHIEVEMENTS

• Dell & NVIDIA Hack AI Challenge Global Finalist

• Allianz Tech Championship 2024 Winner

(3,000 EUR)

• CyientifIQ Innovation League Global Hackathon Value Innovation Winner

(1,000 USD)

• UST. Honorary Mention Top 5 Finalist D3CODE National Level Hackathon

(2,00,000 INR)

PROJECTS

FIDELIUS - AI-Powered Data Masking and Obfuscation Tool.

Developed a secure, localized data masking tool using **Electron.js** and **TypeScript** to protect Personally Identifiable Information (PII) from diverse file formats (CSV, PDF, Audio, etc.), focused on integrating scalable backend workflows with a clean, intuitive UI.

MONITUS AI - Adverse Drug Reaction Prediction Tool.

Built an AI application using **React.js**, **JavaScript**, **TailwindCSS**, achieving improved prediction accuracy for drug reactions. **Vector embeddings** and **fine-tuning** techniques were utilized to enhance responsiveness.

CASA AI - Architectural Plan Generation Using GenAI.

Programmed a dynamic tool using **Next.js** with **TypeScript**, **Material Tailwind** for styling, and **Clerk** for authentication. Designed and implemented scalable back-end services and front-end interactivity, achieving an improvement in architectural plan optimization.

EXPERIENCE

${\bf Chatbot\ Developer\ Intern}$

February 2024 - April 2024 Trivandrum, Kerala, India

SolYield

- Developed an **LLM**-powered chatbot with **ChatGPT API**, managing customer interactions and automating a significant portion of ticketing processes.
- Enhanced information retrieval using MongoDB, leading to more accurate and efficient responses.
- Applied **Similarity Search** techniques to process extensive documentation, improving the chatbot's relevance and precision.

Fullstack Web Developer Intern

MENTORPRIME

May 2023 - Jul 2023

Expected: 2025

Trivandrum, Kerala, India

- Integrated BigBlueButton and Google Cloud on Google VMs, improving virtual learning scalability for a large user base.
- Developed a multitier access dashboard using **Next.js** and **TypeScript**, facilitating seamless payment processing through the **Stripe** gateway.
- Oversaw the optimization of CI/CD workflows using Docker, leading a team of 3 interns to improve the efficiency of deployment and the reliability of the system for continuous operations.

SKILLS

Experienced DSA, C++, GenAI - LLMs, Flask, Python, MongoDB, Machine Learning

Comfortable VectorDB, NextJS, TailwindCSS, ReactJS, C, Typescript, NodeJS

Acquainted PostgreSQL, OpenCV, Java, Google Cloud Platform

EDUCATION

BTech in Computer Science, COLLEGE OF ENGINEERING TRIVANDRUM

CGPA: 8.20

Diploma in Computer Science, GPTC KALAMASSERY Graduation: 2022

CGPA: 8.96