Sai Sreenadh Chilukuri

Andhra Pradesh, India · saisrinadhch@gmail.com · +91 82475 13749 · sreenadh.vercel.app

in sai-sreenadh · UrTechTips

Summary

Computer Science undergraduate passionate about leveraging AI, cloud, and web technologies to solve real-world problems. Experienced in developing scalable applications, implementing intelligent algorithms, and collaborating on cross-functional projects. Eager to contribute to innovative tech solutions that drive business transformation.

Education

Vellore Institute of Technology, Andhra Pradesh *Sept 2023 – Present*
B.Tech in Computer Science

- CGPA: 9.53/10.0
- Passed with 94%

Projects

Personal Portfolio *Portfolio* ↗
- Developed a fully responsive personal portfolio with animations and optimized performance, achieving a 92 Lighthouse score.
- Technologies: Next.js, TypeScript, HTML & CSS

QueryDoc – PDF Q&A Assistant *GitHub* ↗
- Developed a lightweight PDF Q&A assistant with custom keyword-based context retrieval and Gemini-2.0 Flash, delivering answers grounded in the document text.
- Measured chunk-retrieval accuracy at 90%+ over a 50-question test set and averaged 1.2 s response time per query.
- Technologies: Python, Streamlit, Gemini API, PyMuPDF

Real-Time Chat Application *GitHub* ↗
- Built a real-time chat application that features login, private messaging, and broadcast messaging capabilities, with data persistence using SQLite to store user credentials.
- Implemented multi-client handling using Java sockets, with customizable text colors powered by the Jansi library.
- Technologies: Java, SQLite

Labyrinth Legend *GitHub* ↗
- Led a team of 3 to design and develop AI search algorithms (BFS, DFS) to enable automated maze solving and generation within a game environment.
- Technologies: Python, PyGame

Technologies

Languages: C, Java, Python, JavaScript, TypeScript, HTML & CSS
Frameworks & Libraries: React.js, Next.js, PyGame, Tailwind CSS
APIs & Tools: Firebase, Gemini API, Vercel, GIT
Skills: Analytical thinking, Communication, Team collaboration, Agile learning

Certifications

- **LLM Security Workshop** – VIT-AP & IITM: Explored LLMs, their working, and best practices for securing them. [Certificate] ↗
- **Prompt Engineering Workshop** – Innovators Quest, VIT-AP: Learned advanced prompt techniques to optimize AI interactions. [Certificate] ↗
- **Gen AI using IBM Watsonx** – IBM Developer Skills Network, VIT: Deepened my understanding of generative AI concepts and hands-on applications with IBM Watsonx. [Certificate] ↗

Co-Curricular/Extra-Curricular

- Applied AI and machine learning concepts to develop maze-solving algorithms (BFS, DFS) as part of the Machine Learning Club at VIT-AP (2023–Present).
- **Available full-time during summer vacation: 18 May – 21 July 2025**