

Siranjeevi K

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EDUCATION

Sri Shakthi Institute of Engineering and Technology <i>Bachelor of Technology in Information Technology - CGPA: 8.86*</i>	Coimbatore, TN <i>Oct. 2022 – Present</i>
Sri Suka Brahma Maharishi Vidyalayam Matriculation School <i>HSE in Computer Science - Grade: 88.66%</i>	Coimbatore, TN <i>Jun. 2020 – Jun 2022</i>
Government Higher Secondary School <i>State Board - Grade: 91.2%</i>	Coimbatore, TN <i>Jun. 2016 – Apr 2020</i>

AREAS OF INTEREST

- Generative AI
- Full Stack Development

EXPERIENCE

Full Stack Developer - Intern <i>B² Solutions</i>	October 2024 – March 2025 <i>Coimbatore, TN</i>
<ul style="list-style-type: none">• Developed a full-stack web application using the <i>MERN</i> stack to streamline school management with advanced features like OCR and Machine learning that can reduce the manual work by 50%.• Designed the user interface for the Teachers module and collaborated with the team to ensure consistency across the application.• Actively contributed as part of a four-member team on the ongoing development of this project.	

PROJECTS

NexInterview 🧠 <i>Next.js, TypeScript, Tailwind, Firebase, Google Gemini, VAPI</i>	April 2025 – May 2025
<ul style="list-style-type: none">• Built an AI-powered mock interview platform where users can receive voice-based personalised interviews.• Integrated VAPI for real-time conversational AI and Google Gemini to generate contextual questions and post-interview feedback.	
Knowledge Representation 🧠 <i>Python, Pandas, Streamlit, Gemini, Ollama, SQLite</i>	June 2024 – August 2024
<ul style="list-style-type: none">• Developed a Data Visualisation web application using Google's Gemini as primary LLM and some local LLMs using Ollama with Streamlit as the minimal frontend.• As one of the major contributors, implemented the 'Chat with CSV' feature, enabling users to gain insights from their data with up to 90% accuracy through an interactive chat interface. Also contributed to the 'Get Insight' feature, which provides data visualisation for CSV files.	
MineBot 🧠 <i>Python, Streamlit, OpenAI API, FAISS</i>	August 2023 – Jan 2024
<ul style="list-style-type: none">• Implemented 'ReAct' technique that allows Thought-Action-Observation cycle to get desired result and Retrieval Augmented Generation (RAG) to power up the chatbot with external knowledge source, improved accuracy by 50%.	

ACHIEVEMENTS

Winner of Intel Unnati Industrial Training Program (National Level) for "*Knowledge Representation*" Project (October 2024).

Lead Organizer of "Code Buster" competitive programming event at *KALAM 2024*, our institute's annual fest.

Won **Xenira** (Institute Level Coding Competition), February 2023.

Secured **School First Rank** in 10th Standard Board Exam (2019-2020) with a score of 456/500 and also passed **NMMS Scholarship Exam** (2017-2018) and received the National Means-cum-Merit Scholarship.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks: Langchain, React, Next.js, Express.js, Tailwind CSS, Prisma ORM, Mongoose, Streamlit
Technologies: MySQL, MongoDB, Figma, Git, GitHub, Docker, Ollama