

Sai Srihitha Mallela

Hyderabad, Telangana

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Personal Profile

Passionate B.Tech CSE student with a strong foundation in programming, DSA, and full-stack development. Skilled in MERN, ML, and RAG, with a knack for building scalable solutions and solving complex problems. Always eager to learn and innovate.

Education

Keshav Memorial Institute of Technology

B.Tech in Computer Science Engineering

- CGPA: 8.5

Hyderabad, India

October 2022 - Current

Sri Chaitanya Junior College

Secondary Education in Science

- Percentage: 98.0

Hyderabad, India

April 2020 - May, 2022

Sri Chaitanya Techno School

High School

CGPA: 10

Hyderabad, India

Apr 2020

Skills

- Programming & Databases:** C/C++, Python, Java, SQL, MongoDB
- Web Development:** HTML, CSS, JavaScript, ReactJS, NodeJS, ExpressJS, RESTful APIs
- Core CS Courses:** Operating Systems, Software Engineering, Computer Networks, Database Management Systems
- Soft Skills:** Problem-Solving, Logical Thinking, Teamwork, Time Management, Communication, Presentation

University Projects

LecturesCheck

Keshav Memorial Institute of Technology

- Engineered a comprehensive mini-scaled LMS for uploading and validating lecture videos and PDFs.
- Produced detailed analytical reports with visual graphs.
- Improved content coherence by 35 and reduced review time by 50 percent
- Technical Skills:** MERN, LLM, Git.

Hyderabad, India

March 2024 - August 2024

GenAI-powered FAQ Chatbot

Keshav Memorial Institute of Technology

- Developed a GenAI-powered chatbot for handling college department FAQs, enhancing query resolution and user experience.
- Integrated Retrieval-Augmented Generation (RAG) with web scraping for accurate, context-aware responses.
- Designed a user-friendly interface with NLP capabilities for seamless query handling.
- Implemented analytics to track common queries and improve chatbot performance.
- Optimized efficiency using a vector database for fast and accurate information retrieval.
- Technical Skills:** MERN Stack, RAG, LangChain, OpenAI APIs, Web Scraping, Vector Database, Git.

Hyderabad, India

October 2024 - December 2024

Save The Snakes

Keshav Memorial Institute of Technology

- Developed a web application using the MERN stack and Machine Learning that enables users to upload photos of snakes found in their habitat.
- Integrated MongoDB for storing snake photos along with their geolocation data, ensuring accurate tracking and reporting.
- Utilized an ML model to identify snake species and venom toxicity levels, automatically alerting local NGOs for timely intervention and response.
- Technical Skills:** MERN, ML, Git.

Hyderabad, India

Oct 2023 - Jan 2024

Achievements

Top 80, in GDG GenAI Study Jams by Google Developers Group

MERN Stack Completion, Through DevTown

Amazon Junior Software Engineer Course, Currently pursuing on Coursera

Postman API Fundamentals Student Expert Certification, Honored by Postman

References available upon request.