

SIVA SAI MARUTHI CHARAN YADLAPATI

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EDUCATION

Keshav Memorial Institute of Technology
Computer Science and Engineering B.Tech
CGPA: 8.4

Narayanaguda, Hyderabad
October 2022 - Present

Narayana Junior College
MPC Intermediate
Percentage: 97.8%

Dilsukhnagar, Hyderabad
June 2020 - May 2022

EXPERIENCE

Teleparadigm Networks | Full Stack Developer Hyderabad, India | August 2024 - January 2025

- Built a Centre Management System for a specialized center catering to children with autism and dyslexia, enabling seamless coordination among doctors, therapists, center administrators, and parents.
- Digitized traditional JavaScript-based cognitive games, transitioning from manual formats to interactive digital versions tailored for children with autism and dyslexia
- Integrated real-time data tracking for monitoring childrens progress, enhancing personalized treatment plans and overall management efficiency.
- Deployed the complete system on AWS, ensuring scalability, reliability, and secure access for all stakeholders.

Swamedha | Full Stack Developer Hyderabad, India | February 2025 - March 2025

- Developed Ganita Medha, a Math-focused course management system for school students and teachers to access structured curriculum content.
- Built Swamedha, an interactive platform for students and teachers to access learning materials, post doubts, and submit code assignments from class sessions.
- Ensured both platforms support student-teacher engagement and seamless content delivery tailored for school-level education.
- Focused on user-friendly interfaces and efficient backend structures to support learning continuity and real-time feedback.

SKILLS

Programming Languages: C++, Java, Python, C, SQL, Javascript, Typescript, Go
Libraries/Frameworks: React, Flask, VueJS, ExpressJS, Bun, React Native
Tools / Platforms: Git, Github, Docker, Figma, Google Cloud, AWS, Ubuntu
Databases: MySQL, MongoDB, Sqlite

PROJECTS / OPEN-SOURCE

Tires on Highways *MERN, Tensorflow, Twilio*

- Developed Tires on Highways, a web application that analyzes vehicle tire conditions using images captured at toll plazas.
- Integrated advanced image processing techniques to detect worn-out, damaged, or unsafe tires, and automatically trigger SMS alerts to vehicle owners for timely maintenance.
- Used Electron.js to convert the web platform into a cross-platform desktop application for enhanced accessibility and deployment.
- Designed the system to support proactive road safety measures by identifying potential hazards before they lead to accidents.

Kaito *MERN, Gemini*

- Built an AI-powered Interview Simulator using React, Express, and Gemini API for dynamic, voice-driven technical interviews.
- Enabled real-time voice interaction with Speech-to-Text and Text-to-Speech integration for natural, human-like conversations.

- Parsed uploaded resumes to generate personalized interview questions covering DSA, projects, and behavioral topics.
- Delivered adaptive feedback and difficulty adjustment, simulating realistic interview environments.

Karna AI

MERN, Gemini

- Developed an AI-powered learning platform for PDF-based content, enabling automated exams and real-time AI-based assessment.
- Integrated a real-time AI interface for doubt clarification, enhancing the learning experience with instant support.
- Streamlined content delivery and assessment, improving accessibility and engagement for students.

CERTIFICATIONS

- Completed Google Cloud Study Jams under Google Developer Student Clubs
- Completed Low Code Machine Learning on AWS
- Contributed to open-source project in Girl Script Summer of Code 2024

HONORS & AWARDS

- Best Coordinator in Street Cause KMIT
- Member of the organizing committee for Codenovate, the first 24-hour hackathon at KMIT.