Sujan Kumar K

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Professional Summary

Detail-oriented Computer Science undergraduate with a strong foundation in full-stack web development and software engineering. Built and deployed scalable applications using technologies such as the MERN stack, Java, and Python. Experienced in delivering end-to-end solutions through academic projects, including desktop applications, web platforms, and interactive 3D systems.

Career Objective

Aspiring software developer seeking to contribute to impactful engineering teams by applying strong technical foundations and hands-on project experience to deliver scalable, maintainable, and user-focused solutions.

Education

Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal *2022–Present*
Bachelor of Engineering in Computer Science and Engineering **CGPA: 9.04 / 10**
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Web Technologies, Database Management Systems

Skills

Languages: C, Java, Python, JavaScript
Frontend: React.js, HTML5, CSS3, Responsive Design
Backend: Node.js, Express.js, PHP, Flask, RESTful APIs
Databases: MongoDB, MySQL
Tools: Git, GitHub, Docker, Postman, VS Code
Soft Skills: Team Collaboration, Technical Communication, Time Management, Adaptability

Projects

SignSynth – Real-Time Speech-to-Sign Language Translator *Developer — Present*

Technologies: Python, Speech Recognition, Panda3D

- Engineered a 3D animated sign language translator that converts live speech into gesture animations with a recognition accuracy of over 90%.
- Integrated speech-to-text pipeline and Panda3D animation engine to render real-time hand gestures.
- Enabled YouTube media sync to demonstrate accessibility features, tested on 10+ video samples with seamless transitions.

Calm Care – Mental Health Support Platform *Developer — 2024*

Technologies: React.js, Node.js, Express.js, MongoDB, Flask

- Developed a support system that evaluates mental health severity using dynamic questionnaires and backend logic.
- Connected frontend and backend via modular REST APIs, reducing average page load time by 35%.
- Designed scalable backend architecture deployed across two environments with consistent user feedback cycles.

Student Attendance Management System *Developer — 2023*

Technologies: Java, MySQL

- Developed a desktop-based attendance tracking system that reduced manual entry time by approximately 70%.
- Designed and normalized the MySQL database schema; implemented authentication, class creation, and attendance modules using Java Swing.
- Integrated automated report generation with exportable summaries, improving data accuracy and administrative workflow.

Activities & Achievements

Top Scorer Award – Coder Arena 2025

- Awarded for outstanding performance in a national-level coding contest organized by Project Contest Innovations LLP (PCI™).

First Place – Web Development Coding Challenge

- Secured 1st place for developing a feature-rich web application under time constraints and evaluation criteria.