Sujan Kumar K

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Professional Summary

Detail-oriented Computer Science undergraduate with strong expertise in full-stack web development and software engineering. Proficient in MERN stack, Java, Python, database management, and API integration. Skilled at delivering efficient, scalable, and maintainable solutions, with strong problem-solving abilities and a focus on high-quality code and user-friendly interfaces.

Experience

SangamOne Connected Services Pvt. Ltd. *Jun 2025 – Aug 2025*
Full-Stack Developer Intern *Udupi, Karnataka*

- Developed scalable web services using **FastAPI** and integrated real-time communication modules with **Node.js** and **WebRTC**, enabling low-latency data exchange across clients.
- Designed and optimized RESTful APIs to streamline data flow between distributed components, reducing request overhead and improving system responsiveness.
- Executed full-stack development, debugging, and CI/CD deployments within an agile workflow, accelerating feedback loops and production readiness.

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, Flask, FastAPI, RESTful APIs, Django
Databases: MongoDB, MySQL, PostgreSQL
Tools: Git, GitHub, Docker, Postman, VS Code, Blender, GitLab
Soft Skills: Team Collaboration, Technical Communication, Time Management, Adaptability

Projects

SignSynth – Speech-to-Sign Language Translator | *Python, Vosk, Panda3D* **2025**

- Engineered a 3D animated sign language translator that converts live speech into sign language animations with a recognition accuracy of over 90%.
- Integrated a speech-to-text pipeline with 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 | *React.js, Node.js, Express.js, MongoDB, Flask* **2024**

- Developed a mental health support system that evaluates severity via dynamic questionnaires.
- 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 | *Java, MySQL, JavaFX* **2023**

- 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 JavaFX.
- Integrated automated report generation with exportable summaries, improving data accuracy and administrative workflow.

Achievements

Top Scorer Award – Coder Arena 2025

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

First Place – Web Development Coding Challenge

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