

# Sujan Kumar K

+91 7829079853

mail4sujankumar@gmail.com

linkedin.com/in/sujan-kumar-k164

sujankumark.netlify.app

github.com/suja2004

## Professional Summary

Computer Science undergraduate with expertise in full-stack web development and software engineering. Proficient in MERN stack, Java, Python, database management, and API integration. Delivering efficient, scalable, and maintainable solutions through systematic debugging and algorithmic optimization.

## Experience

### Mangalore Infotech Solutions Private Limited

Aug 2025 – Nov 2025

Software Engineer Intern

Mangalore, Karnataka

- Engineered a dedicated feature for IAM role credential management, replacing manual workflows with a fully automated generation process.
- Designed the interface and backend logic to provide seamless access to credentials and implement automatic token refreshing.
- Empowered team members with self-service capabilities, ensuring uninterrupted access to resources and eliminating dependency on manual approvals.

### SangamOne Connected Services Pvt. Ltd.

Jun 2025 – Aug 2025

Full-Stack Developer Intern

Udupi, Karnataka

- Engineered scalable web services using **FastAPI** and integrated real-time communication with **Node.js** and **WebRTC**, achieving sub-200ms latency for 100+ concurrent clients.
- Optimized RESTful APIs streamlining data flow, reducing request overhead by 40% and improving responsiveness by 35%.
- Executed full-stack development and CI/CD deployments in agile workflow, accelerating releases by 25% and reducing production bugs by 45%.

## Education

### Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal

2022–Present

Bachelor of Engineering in Computer Science and Engineering

CGPA: 9 / 10

*Relevant Coursework:* Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Web Technologies, Database Management Systems

## Skills

**Programming 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

## Projects

### SignSynth - Real-Time Speech-to-Sign Language Translation System | Python, Vosk, Panda3D 2025

- Built a Windows accessibility application translating live speech into sign-language animations, supporting 500+ unique gestures.
- Implemented low-latency speech recognition using Vosk with 95% accuracy, synchronized with Panda3D 3D.
- Enabled configurable animation timing and media-aware playback, improving content comprehension by 40% in user testing.

### Calm Care - Mental Health Support Platform | React.js, Node.js, Express.js, MongoDB, Flask 2024

- Enhanced mental health support system with questionnaires evaluating severity levels.
- Connected frontend and backend via modular REST APIs, reducing page load time by 35% (800ms to 520ms).
- Planned scalable backend deployed across two environments, achieving 99.5% uptime during testing phase.

## 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 1<sup>st</sup> place for developing a feature-rich web application under time constraints and evaluation criteria.