

# T Suman Yadav

📍 AMARAVATI, ANDHRA PRADESH | 📞 +91 7997596790 | ✉️ suman.tati2005@gmail.com | 🔗 LinkedIn | 📁 GitHub | 🚀 Leetcode

## Summary

Software Development Intern experienced in building scalable, distributed systems and real-time applications using MERN and cloud-native tools. Strong foundation in computer science fundamentals: algorithms, object-oriented design, data structures, operating systems, and complexity analysis. Passionate about solving ambiguous problems and building customer-focused solutions. Actively pursuing opportunities to innovate in fast-paced, agile teams.

## Education

### SRM UNIVERSITY-AP

Bachelor of Technology - Computer Science and Engineering

May 2027

CGPA: 9.28

## Experience

### Full-Stack Developer Intern, Addwise Tech Innovations (Remote)

May 2025 – Present

- Engineered scalable distributed systems with Node.js and MongoDB, reducing API latency by 45%.
- Built secure, multi-role authentication using JWT and middleware across microservices.
- Contributed to CI/CD pipelines and agile development; enhanced system reliability and deployment speed.
- Collaborated cross-functionally to integrate customer feedback and improve end-user experience.

## Skills

**Programming Languages:** Java, Python, C++, JavaScript, TypeScript

**Core CS Concepts:** Object-Oriented Design, Data Structures, Algorithms, Operating Systems, Complexity Analysis.

**Distributed Systems:** RESTful APIs, MongoDB Aggregation, JWT Auth, Node.js Services, DBMS.

**Front-End:** React.js, HTML5, CSS3, Tailwind CSS, Framer Motion, Next.js, Responsive UI

**Cloud and Tools:** GitHub CI/CD, Git, Linux, VS Code, Firebase, AWS (EC2, S3 – beginner level).

**Practices:** Agile/Scrum, Version Control, Code Reviews, Testing (Jest), GitHub Actions

## Projects

### GPS Tracker Application [GitHub]

MAY 2025 – JULY 2025

MERN Stack, Google Maps API, JWT Auth, MongoDB, Leaflet.js

- Developed a real-time GPS tracking system associating devices via QR codes and scalable cloud storage.
- Built distributed backend services for route tracking and QR onboarding using Express.js and MongoDB.
- Integrated multi-role access control (Admin/User/SuperAdmin) and Enabled live device rendering using Google Maps API and Leaflet.js with scalable update handling.
- Designed responsive UI components with reusable Tailwind + React hooks improving UX consistency.

### AI-Based Drowsiness Detection System [GitHub]

JAN 2025 – MARCH 2025

Python, OpenCV, MediaPipe, Twilio API

- Built a real-time driver fatigue detection app using facial landmark and blink analysis.
- Triggered alerts (buzzer + phone call) using GSM and Twilio integration.
- Achieved 90%+ accuracy using optimized multi-threaded video processing.

### TaskMaster – Modern Todo Application [GitHub]

DECEMBER 2024 – FEBRUARY 2025

React.js, TypeScript, Tailwind CSS, Heroicons, React DatePicker

- Built a fully responsive task management web app with modern UI, dark theme, and real-time updates.
- Designed reusable components using React + TypeScript and styled them using utility-first Tailwind CSS.
- Implemented task creation, editing, filtering, and completion tracking with persistent state.
- Added analytics dashboard to visualize task stats (priority distribution, overdue tracking, completion rate).
- Leveraged React Hooks (useState, useMemo) for efficient state management and performance.

## Extra-Curricular Achievements & Activities

- **Problem Solving:** Solved 250+ DSA problems on LeetCode and other platforms
- **Certifications:** AI/ML by Vodafone Idea Foundation, TCS iON Career Edge
- **Hackathons:** Finalist in Hack4SDG and Codeathon by NeoColab
- **Leadership:** Cricket Team Captain (Top 50 Inter-University League), Active Student Volunteer