

# Sai Charan Veerlapati

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript, C++

**Web Development:** HTML, CSS, React.js, Node.js, Express.js, REST APIs, MongoDB, SQL, AWS

**Tools:** Git, GitHub, Postman, Visual Studio Code, Android Studio

## PROJECTS

**TeamSync - Collaborative Project Management Tool** Mar 2025 – May 2025

- **Tech Stack:** Vite React.js, Node.js, Express.js, MongoDB, Socket.io, JWT
- Designed and developed a full-stack project management web application to improve team productivity and workflow efficiency.
- Enabled real-time collaboration with WebSocket-based communication, supporting instant chat, notifications, and status updates.
- Integrated JWT authentication and role-based access control, enhancing security and user management.
- Deployed with automated CI/CD pipelines, enhancing release efficiency and maintainability by **40%**.

**TrackMyLaundry - Smart Laundry Management System** Dec 2024 – Feb 2025

- **Tech Stack:** Vite React.js, Node.js, Express.js, MongoDB, Firebase, NFC, Twilio
- Designed and developed a MERN-based smart laundry management system using NFC-enabled bags for real-time order tracking.
- Implemented live status updates and notifications using Twilio SMS integration.
- Built an admin dashboard for shelf mapping, order status monitoring, and workflow management.
- Automated laundry lifecycle updates through NFC scans, reducing manual tracking errors and processing time.

**CVR CSE Department Website** Nov 2024 – Dec 2024

- **Tech Stack:** Vite React.js, Bootstrap
- Developed the official departmental website for CVR College of Engineering, improving online visibility by **50%**.
- Built a responsive and accessible UI for consistent experience across devices, increasing mobile usability by **40%**.
- Worked with faculty to organize academic content, increasing content discoverability by **35%**.
- Optimized website performance and reduced load times, improving engagement by **30%**.

## EDUCATION

**CVR College of Engineering** Hyderabad, Telangana, IN  
*B.Tech in Computer Science and Engineering (CGPA: 9.35)* 2022 – Present

**Sri Chaitanya Junior Kalashala** Hyderabad, Telangana, IN  
*Intermediate (Marks: 973/1000)* 2020 – 2022

## CERTIFICATIONS

Full Stack Web Development certification from ApnaCollege.

Smart Coder certification from Smart Interviews.

Cloud Foundations certification from AWS Academy Graduate

Database Programming with SQL certification from Oracle Academy.

## ACHIEVEMENTS

Selected for Amazon ML Summer School 2025, a competitive program focused on foundational and applied machine learning concepts, led by Amazon scientists.

Solved over 350 problems on LeetCode, demonstrating strong problem-solving skills in data structures and algorithms.

Qualified GATE 2025 (Computer Science) in the first attempt, indicating strong understanding of core computer science fundamentals.