

Ravi Teja Kandula

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SUMMARY

Frontend-focused Full Stack Developer specializing in MERN stack applications, scalable REST APIs, and performance optimization. Proven ability to bridge user needs with efficient technical solutions, improving application performance and security. Strong expertise in React.js, JavaScript, and backend integration, seeking Frontend or MERN Stack roles.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, Java, C

Frontend: ReactJS, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: MongoDB Atlas, MySQL

Tools & Deployment: Git, GitHub, Postman, VS Code, Redis, Vercel, Render, AWS

PROJECTS

E-Commerce Platform

Nov 2025 – Feb 2026

MERN Stack, Redis, ML, AWS EC2

Developed a scalable MERN e-commerce platform with JWT authentication and role-based access control (RBAC).

Integrated **Redis caching** for product and session data, reducing API response time by **40%**.

Built a **BERT-based machine learning** product recommendation system to improve personalization and user engagement.

Designed and integrated **RESTful APIs** for products, users, orders, and payments using Node.js and Express.

Deployed backend on **AWS EC2** and frontend on Netlify with MongoDB Atlas database.

Optimized checkout workflow and reduced latency by **30%** through efficient state management.

Online Quiz Application

May 2025 – Aug 2025

MERN Stack Application

Architected a full-stack quiz platform with responsive React UI, real-time scoring, and an admin panel.

Engineered **10+ RESTful APIs** for quizzes, questions, results, and admin operations.

Implemented JWT-based authentication with role-based access control for **2 user roles**.

Designed real-time score calculation handling **100+ quiz attempts** efficiently.

Improved application security by **40%** by resolving authentication and session vulnerabilities.

Tested **15+ API endpoints** using Postman and validated concurrent edge cases.

Deployed application on Render with MongoDB Atlas supporting **100+ concurrent users**.

EDUCATION

Vignan University

2023 – Present

B.Tech in Computer Science

CGPA: 6.6/10

Sri Chaitanya Junior College

2021 – 2023

Intermediate

75%

CERTIFICATIONS

Introduction to EC2 Auto Scaling, CloudTrail, Lambda Foundations - AWS

Networking Essentials, Cybersecurity Essentials – Cisco Networking Academy

Introduction to Web Development – Great Learning