

RACHIT JAIN

Greater Noida, Uttar Pradesh

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EDUCATION

UG, Noida Institute of Engineering and Technology, Greater Noida

2022 – 2026


B.Tech - Information Technology - **CGPA - 7.6**

Greater Noida, Uttar Pradesh

COURSEWORK / SKILLS

- DSA
- OOPS Concepts
- Cloud Computing
- DBMS
- Operating Systems
- Computer Networks
- Software Engineering

PROJECTS

Kizuna Chat Application  | Real-time chat, PostgreSQL, Express.js, React.js, Node.js

Oct 2024

- Developed and deployed a real-time chat application using the PERN stack and Socket.io, supporting 100+ concurrent users seamlessly.
- Deployed the application on AWS EC2, configured with Nginx as a reverse proxy and PM2 for process management, increasing server uptime by 66.6 percent.
- Integrated JWT-based authentication, reducing user authentication latency by 30 percent and enhancing security.
- Implemented robust security measures including CORS, cookie-based authentication, and HTTPS/TLS encryption to ensure end-to-end data protection.

Multi-Tenant E-Commerce Platform. | React, Node.js, PostgreSQL, AWS

Jan 2025

- Architected a scalable multi-tenant SaaS e-commerce platform serving 50+ merchants, reducing infrastructure costs by 40 percent through shared microservices.
- Implemented role-based access control (RBAC) for tenants, enabling custom storefronts while isolating data with schema-per-tenant PostgreSQL design.
- Reduced latency by 35 percent by caching product catalogs using Redis and optimizing CDN delivery via AWS CloudFront.
- Automated tenant onboarding with CI/CD pipelines (Docker + Kubernetes), cutting deployment time from 2 hours to 15 minutes.

Expense Tracking System | React, Node.js, MongoDB, IDE - VS Code

2024

- Designed interactive dashboards using Chart.js for real-time spending analytics, improving financial visibility for 85 percent of users..
- Integrated real-time chat support, reducing user query response time by 70 percent.
- Achieved 100 percent data integrity across listings using MongoDB validation schemas and API error handling.
- Optimized performance by paginating MongoDB queries and caching frequent requests with Redis, cutting load times by 40 percent.
- Deployed on AWS Elastic Beanstalk with automated backups, achieving 99.9 percent uptime over 6 months.

TECHNICAL SKILLS

Languages: Python, Java, SQL

Web Technologies: HTML5, CSS3, React, Express, Javascript, Bootstrap

Developer Tools: Postman, VS Code, PyCharm, IntelliJ

CS Fundamentals: OOPS, DBMS, Operating Systems, Computer Networks

CERTIFICATIONS

- CCNA: Enterprise Networking, Security, and Automation - Cisco Academy
- CCNA: Introduction to Networks- Cisco Academy
- Java Programming - Oracle Academy
- Python Essentials 1 - Cisco
- Python Essentials 2 - Cisco