

ANURAG YADAV

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Summary

Computer Science engineering student with strong DSA/OOP fundamentals and hands-on backend experience in Java (Spring Boot), Node.js, and relational/NoSQL databases. Focused on building secure, well-tested, and scalable full-stack systems.

Technical Skills

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

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Responsive Web Design

Backend: Node.js, Express.js, Spring Boot, Hibernate, Prisma ORM, RESTful APIs, JWT Authentication

Databases: PostgreSQL, MySQL, MongoDB

Tools & Platforms: Git, GitHub, Docker, Linux, Postman, VS Code, Render

Core Computer Science: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Projects

Mini ERP + CRM Operations Portal

Jul 2026 – Aug 2026

- Built a full-stack Mini ERP/CRM system using Node.js, TypeScript, Express, Prisma ORM, and PostgreSQL, with a React + TypeScript + Vite frontend, as a technical case study solution.
- Designed a role-based access control (RBAC) system spanning four roles (Admin, Sales, Warehouse, Accounts) governing access across Users, Customers, Products, and Inventory modules.
- Implemented a Sales Challan workflow (Draft/Confirmed/Cancelled states) using atomic Prisma transactions with product snapshotting to maintain data consistency during stock updates.
- Built an Inventory module with a StockMovement audit log tracking every stock change tied to challan transactions, alongside JWT + bcrypt authentication and Zod request validation.
- Authored 42 automated tests covering core modules and transaction flows, and documented the complete REST API and system architecture for handoff.

Nation Growth Investment Platform (NGIP)

Jan 2026 – Present

- Developed a full-stack fintech platform using React.js, Spring Boot, MySQL, and JWT, enabling users to invest across infrastructure, renewable energy, and industrial sectors.
- Designed and implemented secure RESTful APIs for authentication, investment management, portfolio tracking, and transaction processing.
- Implemented JWT-based authentication with Spring Security to enforce secure user access.
- Designed normalized MySQL database schemas and integrated backend APIs with the React frontend following MVC architecture.
- Applied clean coding principles, reusable components, and modular architecture to improve long-term maintainability.

Real-Time Chat Application

Mar 2025 – Apr 2025

- Developed a real-time chat application using Socket.io, Node.js, Express.js, and React.js.
- Implemented room-based messaging with instant event broadcasting for low-latency communication.
- Integrated JWT authentication for secure login and session management.
- Optimized backend communication to efficiently handle multiple concurrent client connections.

Achievements

- Secured Second Runner-Up position in the Odoo Hackathon 2025.
- Shortlisted for the Vadodara Startup Festival 6.0 for pitching the Nation Growth Investment Platform (NGIP).