

TUSHAR GUPTA

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LinkedIn

GitHub

Education

Indian Institute of Information Technology, Sonapat

Aug 2023 – Present

Bachelor of Technology in Information Technology — CGPA: 9.5/10 (Till 4th Semester)

Intact Public School, Dibai (Bulandshahr)

Apr 2021 – Mar 2022

Class XII – CBSE — 95.6%

Technical Skills

Languages: JavaScript, C, C++, Python

Backend Development: Node.js, Express.js, RESTful API Design (25+ Routes), Middleware, JWT Authentication, Role-Based Access Control

Databases: MongoDB (Aggregation, Indexing, Query Optimization across 8+ Collections), MySQL

Frontend Development: React.js, Vite.js, Tailwind CSS

System Design Concepts: API Architecture, CRUD Operations, MVC Pattern, Secure Routing, Environment Configuration

Tools & Platforms: Git, GitHub, Postman, npm, VS Code, Vercel, Render

Coursework: Data Structures, DBMS, Operating Systems, Computer Networks, Software Engineering

Projects

Vyapaar360 – Business Management System for Retail Shops (MERN) | GitHub

Jan 2026 – Present

- Built a full-stack business management platform using MongoDB, Express.js, React.js, and Node.js covering **7 core modules** including billing, inventory, purchases, GST tracking, reports, dashboard, and authentication.
- Designed and implemented **16 RESTful API routes** with middleware-based protection and role-based access control.
- Created MongoDB aggregation pipelines for generating real-time sales, stock, and purchase analytics in the dashboard.
- Managed **5 MongoDB collections** with indexing and query optimization for efficient data retrieval.
- Implemented automated PDF report generation for billing and sales reports.
- Deployed backend on Render and frontend on Vercel using environment-based configuration.

GadgetHub – MERN Based E-Commerce Platform | GitHub

June 2025 – Aug 2025

- Developed a MERN-based e-commerce platform covering **5 functional modules** including products, cart, orders, admin panel, and authentication.
- Implemented **12 RESTful API routes** for product management, cart operations, order tracking, and authentication.
- Optimized MongoDB queries using indexing, filtering, and pagination for faster product search.
- Integrated Stripe test payment gateway and Cash on Delivery for transaction simulation.
- Designed responsive UI using Tailwind CSS with multiple reusable React components and pages.

Courses & Certifications

- Oracle Cloud Infrastructure 2025 Certified Developer Professional [Certificate Link](#)
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional [Certificate Link](#)
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional [Certificate Link](#)

Achievements

- Solved **500+ Data Structures and Algorithms problems** across multiple competitive programming platforms.
- Achieved **1444 highest rating on CodeChef**.
- Maintained **9+ CGPA** consistently till 4th semester.
- Earned **5-Star rating in C++ on HackerRank**.