

VAISHALI GUPTA

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Education

Indian Institute of Information Technology, Kota

Aug 2023 – May 2027

B.Tech in Computer Science Engineering

CGPA: 8.05

City Montessori School, Lucknow

2010 – 2022

Class X: 97.2% — Class XII: 95.5%

Work Experience

Quantazone

Sept 2025 – Dec 2025

Technical Intern

Remote

- Built and maintained **dashboard features and RESTful CRUD APIs** using **Next.js, React.js, Node.js, and Express.js**, serving **10k+ daily users** and handling **100k requests/day**.
- Designed and implemented **SQL/MySQL database schemas**, API contracts, and **JWT-based authentication and authorization** for role-based access control.
- Improved **API response times** through backend logic refactoring and query optimization; improvements validated using application analytics.
- Automated build and deployment workflows using **GitHub-based CI/CD**, reducing deployment time by **28%**.

Projects

IIIT Kota Management System (Next.js, React, Node.js, Express.js, SQL, JWT)

[Link](#)

- Individually designed and developed a **full-stack, role-based college management system** with **Admin, Faculty, and Student** access hierarchies.
- Implemented **JWT-based authentication**, authorization middleware, and **SQL schema design** to manage users, roles, and academic workflows.
- Built REST APIs for core modules including **user management, academic data handling, and dashboards** with clear separation of concerns.

Krishi Mitra: Farming Tool Rental Platform (MERN, REST APIs, Rule-Based Chatbot)

[Link](#)

- Worked in a **team-based project**, contributing primarily to **frontend development and system architecture planning**.
- Integrated dashboards with **management and analytics APIs**, ensuring consistent data flow and UI reliability.
- Designed and integrated a **rule-based chatbot** to assist users with common queries and platform navigation.

Blitz E-Commerce Web App (React.js, Node.js, SQL, Razorpay)

[Link](#)

- Developed a full-stack **e-commerce web application** using test data, supporting product listings, cart workflows, and checkout flows.
- Integrated **Razorpay payment gateway** for real transaction processing in test mode.
- Optimized backend performance by improving **API call efficiency and SQL query execution**.

Technical Skills

Languages: C++, JavaScript, Python, Java

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

Frontend: React, Next.js, HTML, CSS, Tailwind

Databases: SQL, MySQL, MongoDB

Cloud & DevOps: AWS (basic exposure), CI/CD, GitHub

Relevant Coursework

Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Software Engineering

Achievements

- **Smart India Hackathon Finalist 2024** — Frontend Developer
- **Finalist, Hack4Change Hackathon** — Project: Krishi Mitra
- Open Source Contributor at **GirlScript Summer of Code (GSSoC)**, fixed a React dashboard data inconsistency bug and authored **2 merged pull requests** with unit tests.
- **LeetCode:** Rating **1738**, solved **469+ problems**; regular Weekly & Biweekly Contest participant