

Vijit Vishnoi

Computer Science and Engineering

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CodeChef | CodeForces | LeetCode

EDUCATION

Indian Institute of Information Technology, Ranchi

Bachelor of Technology in Computer Science and Engineering, CGPA:8.4

Ranchi, Jharkhand

Aug 2023 – May 2027

TECHNICAL SKILLS

- Languages:** C, C++, JavaScript, Python
- Web Technologies:** HTML, CSS, Tailwind CSS, React.js, Next.js, Express, Node.js, REST APIs, SQL, NoSQL, Sequelize, MongoDB, Mongoose, Socket.io, Pandas, Numpy
- Tools:** Git, GitHub, VS Code, Windows, Linux, AWS, Docker, Cloudflare R2
- Coursework:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), DBMS, Operating Systems

WORK EXPERIENCE

Coding Panda | Full Stack Intern

Sep 2025 – Oct 2025

- Scaled a basic compiler into a production-ready platform (10+ languages), improving reliability and developer productivity.
- Designed and integrated **Judge 0** execution APIs into backend architecture, introducing real-time execution with error diagnostics and precise resource tracking to enhance platform reliability.
- Streamlined test case batch storage with **Cloudflare R 2**, improving backend scalability, workflow automation, and code execution reliability.

PROJECTS

Airline Management System | Express, Node.js, MySQL, Sequelize, RabbitMQ, JWT

[LINK](#)

- Architected a Flight Booking Backend using microservices, supporting 5+ services improving system modularity, scalability, and fault tolerance.
- Implemented **RabbitMQ**, API Gateway refining inter-service communication reducing system downtime by 40% in the distributed architecture.
- Applied rate limiting using express-rate-limit to restrict 100 requests per minute per IP, enhancing backend security and reliability.

EduSphere | Express, Node.js, Socket.IO, MySQL, JWT, Render, Vercel, Tailwind CSS

[LINK](#)

- Engineered a web-based scalable learning management platform using **Node.js**, **Express**, **Sequelize** and **MySQL** with a modular architecture for clean code separation and future scalability.
- Configured role-based user management (Students and Teachers), safeguarding 100% of sensitive routes using **JWT** authentication and middleware.
- Designed and deployed 20+ RESTful APIs, expanding feature coverage, improving backend efficiency, and simplifying long-term maintenance.

Twitter Application | Express, Node.js, MongoDB, Mongoose

[LINK](#)

- Orchestrated an efficient Twitter Backend Service using **Express**, **Node.js**, **MongoDB** and **Mongoose** with core functionalities like user authentication, tweet creation, likes and comments.
- Improved **MongoDB** queries with **Mongoose ORM**, reducing tweet retrieval time by 40% through indexing.
- Optimized query logic and indexing strategies in MongoDB, accelerating database performance and reducing overall server load by 35%.

ACHIEVEMENTS

- Solved 400+ algorithmic challenges across CodeChef, CodeForces, and LeetCode, enhancing data structure mastery, analytical reasoning, and coding efficiency.
- Achieved 2 star (1450+) on CodeChef, ranking among the top 20% globally, showcasing algorithmic expertise, logical aptitude, and competitive programming consistency.

LEADERSHIP & EXTRACURRICULAR

- Mentored a team of 3 to reach the Semifinals in Adobe India Hackathon 2025.
- Progressed from team member to Vice-Captain, mentoring peers and driving strategic practice sessions, culminating in first place at the Inter-IIIT Sports Meet 2025.