

MANSI RATHOR

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[LinkedIn](#)

[GitHub](#)

Education

THDC Institute of Hydropower Engineering and Technology
B.Tech in Computer Science and Engineering | CGPA- 7.6

Nov 2021-June 2025

Rishikesh Public School

Senior Secondary School | Cgpa-8.5

2020-2021

Work Experience

Software Development Engineer Intern || Clouwood Studio Private Limited (Onsite)

Oct 2026 – Jan 2026

- **Technology Used:** *React.js, Express.js, MongoDB, Postman, Node.js.*
- Optimized **MongoDB queries and indexing**, reducing CPU usage by **35%** and accelerating data retrieval for large datasets.
- Developed a **JWT-based system** with refresh tokens and **HTTP-only cookies**, strengthening security and preventing unauthorized access.
- Engineered a **centralized state management** architecture using **React Hooks/Context API**, resulting in **smoother UI transitions** and a **40% improvement** in front-end rendering speed for **data-heavy dashboards**.

Software Developer Intern || IT Ceeras (Onsite)

Feb 2025 – June 2025

- **Technology Used:** *React.js, Express.js, MongoDB, Postman.*
- Architected a microservices system that improved performance by **40%**, supporting a **3X increase** in user capacity with **<200ms average latency** for 5,000+ daily requests.
- Led the development of key user features, resulting in a **25% increase in Daily Active Users (DAU)** and a **15% reduction** in support tickets.
- Integrated Postman-based monitoring and optimized **backend login** workflows to ensure system reliability and streamlined developer operations.

Full Stack Developer Intern || Thdc India Pvt Lmt (Onsite)

July 2022 – August 2022

- **Technology Used:** *React.js, Express.js, MongoDB, Postman.*
- **Reduced API latency by 40%** (500ms to 300ms), refactored legacy code to **decrease server load by 30%**, maintaining **99.9% uptime**.
- Launched two high-impact features that boosted user **engagement by 25%** while **managing 1,000+ daily requests**
- **Upgraded system throughput** to support 500+ concurrent sessions seamlessly, ensuring robust backend scalability.

Projects

Codify AI || *React, JavaScript, Postman, Node.js, Artificial Intelligence APIs.*

[Source Code](#)

- Engineered and deployed an **AI-powered code review platform** to automate manual workflows, **reducing developer review time by over 70%**.
- Integrated Google Gemini API to improve **code quality** by 50% through automated best-practice enforcement and **actionable feedback**.
- **Pioneered a serverless architecture by leveraging an AI service for data management**, demonstrating an innovative approach to **scalable, low-maintenance system design**.

Campus Complaint Hub || *React, JavaScript, Express.js, Socket.io, MongoDB, NodeMailer*

[Source Code](#)

- Deployed a secure, scalable platform handling **1,000+ daily complaints** with a RESTful API for **real-time issue logging** and tracking
- Integrated **real-time notifications** via **Socket.io** and automated **email alerts** with **Node Mailer** reducing issue resolution time by over **50%**.
- Designed an admin dashboard with key analytics, enabling efficient issue management and improving internal operational efficiency by **60%**.

FlavorFlow || *React, JavaScript, Node.js, MongoDB*

[Source Code](#)

- Pioneered a full-stack food ordering platform with secure JWT based authentication, dynamic order history, and a robust mock **payment gateway**.
- Engineered a **personalized menu system** and **streamlined ordering workflows**, leading to a **35% increase in user retention** during mock testing.

Technical Skills

Languages: Java, JavaScript.

Backend: Node.js, Express.js, Mongoose.

Frontend: React, TailwindCSS, HTML, CSS.

Databases: MongoDB.

Developer Tools & Practices: Postman, VS Code, Git, GitHub.

Algorithmic Competitions/Achievements

- Solved 300+ DSA problems from **Rapid Growth Problem set**, building solving skills.
- **Naukri Campus Young Turks 2025**-Secured **98.69** percentile in India's largest skill contest.
- **Student Mentor (Student Mentorship Program)** -Mentored and guided junior peers in the college's Coding club, enhancing their academic performance and technical proficiency.

Certifications

- Software Engineer Certification and SQL (Intermediate) Certification – HackerRank | August 2025
- IT Support Virtual Internship – Deloitte | May 2024.
- Full Stack Web Development – BitDegree | October 2024.
- Programming in Java – Infosys Springboard | September 2024.
- Software Testing Training – IT Ceeras | June 2025.