

# AYUSH SINGH CHAUHAN

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## Education

### The LNM Institute of Information Technology

*B.Tech - Computer Science and Engineering*

2022–2026

### JD Education Center

*Higher Secondary (XII)*

2019–2021

## Skills

- **Languages:** C, C++, Python, JavaScript
- **Backend & Frameworks:** Node.js, Express.js
- **Databases & Caching:** MySQL, MongoDB, Redis
- **Cloud & DevOps:** AWS (EC2, Lambda, S3), Docker
- **Web & Frontend:** React.js, HTML, CSS, Tailwind CSS
- **Algorithms & Problem Solving:** Solved 300+ problems on LeetCode and GFG; System Design Basics

## Leadership & Achievements

- Achieved Global rank of **546** in Leetcode Biweekly Contest 170 showcasing problem solving skill
- Led PR & partnership efforts for Jaipur's largest tech fest, driving **3x audience growth**.
- Represented LNMIIT in inter-college volleyball tournaments, showcasing strong teamwork and discipline.
- Achieved **97.7 percentile** in JEE Mains 2022.

## Experience

### Mutaengine

*Software Developer*

Oct 2024 – Mar 2025

- Architected a modular **MERN stack platform** with service-based architecture, ensuring scalability and fault tolerance across deployments.
- Built a secure **payment and billing system** integrated with APIs for real-time transaction tracking and automated invoice generation.
- Implemented **server-side caching** and optimized **MongoDB aggregations**, enhancing API throughput by 40%.

### Anantar

*Software Developer*

May 2024 – Jul 2024

- Developed a secure **digital vault platform** enabling users to store, manage, and share encrypted notes and documents.
- Integrated **JWT and OAuth2 authentication** for access and secure session handling across user workflows.
- Optimized backend API response time by 35% through query indexing, and Redis caching strategies.
- Deployed scalable microservices architecture on AWS, leveraging S3 for asset storage and CloudWatch for monitoring.

## Projects

### LNMIIT TalkHub System

— React, Node.js, Express, MongoDB, Tailwind CSS 2025

- Built a mentorship platform connecting students with professionals, enhancing engagement and learning opportunities.
- Implemented OTP-based login, password reset flows, and an admin panel for session management.
- Developed real-time discussion forums, session registration, and resource sharing features.
- [Live Demo](#) — [Repository](#)

### LNMIIT OutPass System

— React, Express, MongoDB, Node.js, Tailwind CSS 2024

- Delivered a fully digital campus exit platform, reducing administrative processing time by 90%.
- Secured student data using **JWT + OTP-based authentication**.
- Designed REST APIs for exit requests, history tracking, and automated notifications.
- [Live Demo](#) — [Repository](#)