

Raj Mathur

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</> LeetCode

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2022 – 2026

International Institute of Information Technology, Bhubaneswar

Bhubaneswar, Odisha, India

- **CGPA:** 7.8/10 (Up to 5th semester)

Higher Secondary Education, 12th

2019 – 2021

Golden Bell Public School

Bihar Sharif, Bihar, India

- **Percentage:** 81.6%

EXPERIENCE

Smart Orbit Pvt Ltd

May 2025 – June 2025

Software Developer Intern

Bhubaneswar, India

- Developed and maintained **RESTful APIs** using **Node.js** and **Express.js**, reducing API response time by 40%.
- Implemented **location-based search** features using **geospatial filtering**, resulting in 25% faster search results and a 30% increase in user engagement.
- Streamlined development workflow by creating comprehensive API documentation, reducing onboarding time for new team members by 50% and improving development efficiency by 35%.

PROJECTS

Online Food Delivery App Backend

- **Technologies:** Spring Boot, Spring Security, MySQL, JPA, JWT, Postman
- Solved the challenge of managing user permissions and session validation with stateless token-based security.
- Improved security and access control using **JWT authentication** and **role-based access (RBAC)**, reducing unauthorized access by 95% and admin overhead by 40%.
- Achieved high availability and scalability with **Spring Boot** and **MySQL**, ensuring 99.9% uptime for a dynamic user base.

Social Media App Backend

- **Technologies:** Spring Boot, Spring Security, MySQL, JPA, WebSockets, Postman
- Solved the problem of delayed interactions and inefficient polling by using persistent, bidirectional communication channels.
- Enabled real-time chat and notifications using **WebSockets**, reducing message latency by 60% and enhancing user engagement.
- Boosted backend performance through **caching** and **query optimization**, improving data retrieval speed by 45%.

SKILLS

Languages & Frameworks: Java, C++, JavaScript, Spring Boot, React, Node.js, HTML, CSS

Databases & Tools: MySQL, MongoDB, Git, Docker, REST APIs, WebSockets, Postman

Coursework: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

Others: Problem Solving, Communication, Teamwork, Adaptability, Time Management

ACHIEVEMENTS

- **LeetCode Rating: 1948 (Knight)** – Solved 900+ problems; ranked in the top 3%.
- **GeoHack 2024 (Winners):** Created a real-time location service using geospatial analytics.
- **Hacktoberfest 2024 (Open Source Contribution):** Completed four impactful pull requests to open repositories.
- **Hackfest (Top 4):** Built an integrated solution for farmers using Machine Learning and Blockchain.
- **The Innovation (Winners):** Developed an ML and analytics-based environmental monitoring solution for farmers.