

YASHVARDHAN GUPTA

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[LinkedIn](#) | [Github](#) | [LeetCode](#) | [Portfolio](#)

EDUCATION

B.Tech - Netaji Subhas University of Technology

2022 - 2026

Computer Science & Engineering

WORK EXPERIENCE

Software Engineer Intern | Oxytal | Remote

June 2025 - Aug 2025

Oxytal is a full-service digital agency specialized in best-in-class digital solutions.

[Certificate](#)

- Developed **RESTful, schema-agnostic** feedback submission APIs for the **OxyEM** Employee Management Platform, enabling dynamic ingestion of arbitrary JSON payloads.
- Built a **Chrome Extension** to enumerate and display website cookies from the browser storage, with planned features for detecting and blocking vulnerable cookies for a health insurance website for privacy reasons.
- Tech Stack:** NodeJs, CouchBase DB, REST-API's.

Backend Developer Intern | School ERP

April 2025 - June 2025

SCHOOL ERP is providing an all-in-one, cost-effective school management software modules.

[Certificate](#)

- Automated **email notifications** for book issues, upcoming due dates, and overdue penalties by leveraging **messaging queues** and **cron job** schedulers.
- Optimized API performance for book availability and popular titles by using **Redis caching** with auto-refresh, reducing database load and improving response times.
- Tech Stack:** Java 8, Spring Boot, PostgreSQL, Redis, Apache Kafka.

PROJECTS

Market-Mate

[GitHub](#)

- Designed a microservices based E-Commerce system with core services: **Product, Customer, Order Management, Payments, Notifications**, Config server and API gateway using SpringBoot and Spring Cloud.
- Implemented hybrid **SQL-NoSQL** databases, optimizing query performance, storage efficiency, & scalability for diverse workloads.
- Integrated **Messaging Queue** for asynchronous event-driven communication, enabling real-time **notifications**.
- Scale down API latency by 90% (**500ms to 50ms**) through implementing **Redis** caching for frequently accessed data.
- Tech Stack:** Java, Spring Boot, PostgreSQL, MongoDB, Redis, Apache Kafka, Docker, Keycloak, JPA/Hibernate.

Article Space

[GitHub](#)

- Developed an article platform that enables users to **create, read, update, delete, and manage** articles.
- Implemented **Google OAuth2** and **user-password login** with **OTP-based verification** and email notifications.
- Built secure **session management** using **Redis-backed JWT** token revocation, enforcing **3 active session** per user.
- Implemented **role-based authorization** to control permissions for creating, editing, and deleting articles.
- Tech Stack:** Spring Boot, MySQL, Redis, Spring JPA, Hibernate, OAuth, Apache Kafka, Docker.

Grid-Game

[GitHub](#)

- Developed a modular game in Java using **Design Patterns** for extensible gameplay logic. Implemented **human and bot players** with different **difficulty strategies**.
- Designed core logic for an **N×N Tic Tac Toe game** using optimized **undo** to restore previous game state.
- Implemented pluggable winning strategies using the **Strategy Design Pattern** to enable flexible rule extensions.
- Tech Stack:** JAVA, OOPS, Low Level Design, Design Patterns, SOLID Principles.

TECHNICAL SKILLS

Programming Languages

C++, Java, JavaScript, SQL

Development Tools

Spring Boot, NodeJs, NextJs(Beginner), ReactJs, Apache Kafka, Docker, Git, AWS, Postman

Databases

MySQL, MongoDB, PostgreSQL, Redis

Course Work

DSA, System Design, OS, DBMS, OOPS

ALGORITHMIC ACHIEVEMENTS

- Solved **700+** DSA problems on coding platforms like **LeetCode**, **codeforces** and **GFG**.
- Achieved rating of **1752** in leetcode's biweekly contest **152**.
- Ranked **1109** among **50000+** candidates in codeforces contest **1009**, became **specialist** with a rating of **1410**.

POSITIONS OF RESPONSIBILITY

- Tech Lead | Nalum (Alumni Portal of NSUT)** March 2025 - Current
 - Created **AWS S3 bucket multipart upload** functionality for the alumni portal, enabling reliable large post file uploads by splitting data into **5 MB** chunks.
 - Managed a team of **8** members and ensured correctness and timely completion of tasks.