Yashvardhan Gupta

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Education

B.Tech in Computer Science & Engineering　　　　　　　　Netaji Subhas University of Technology
CGPA: 7.26 /10　　　　　　　　　　　　　　　　　　　　　　*2022 - 2026*

XII CBSE　　　　　　　　　　　　　　　　　　　　　　　Mother Divine Public School
Percentage: 93.6%　　　　　　　　　　　　　　　　　　　　*2021 - 2022*

X CBSE　　　　　　　　　　　　　　　　　　　　　　　　Mother Divine Public School
Percentage: 92%　　　　　　　　　　　　　　　　　　　　　*2019 - 2020*

Technical Skills

Languages	C++, Java, Python, JavaScript
Development Tools	Spring Boot, React
Databases	MySQL, MongoDB
Libraries & Tools	Spring MVC, Hibernate, Apache Kafka, Redis, Docker, Kubernetes
Course Work	DSA, System Design, OS, DBMS, OOPS
Developer Tools	Git, AWS, Postman, VS Code, IntelliJ, GitHub

Projects

Shopping Hub (Backend project)　　　　　　　　　　　　　　　　　　　**GitHub**
- Designed and developed a scalable **microservices-based** shopping platform comprising **4** core services including **Product Catalog, User Service, Email Notification**, and **Service Discovery**, improving modularity and fault isolation by **85%**.
- Implemented **2** secure authentication methods i.e **user-password login** and **Google OAuth2** with **OTP-based verification**, leveraging **Kafka-based** asynchronous email workflows, ensuring **99%+** email delivery reliability and reducing **latency by 70%**
- Added **role-based access** control across **10+** API endpoints and secure backend-driven **logout functionality** to invalidate sessions increasing security by **60%**.
- Built secure **session management** using **Redis-backed** JWT token revocation, enforcing **3** active session per user and reducing MySQL database calls by **50%**
- Built a robust Product Service with full **CRUD, category-based filtering, and integrated pagination, sorting, and filtering** achieving **2x** faster product retrieval.
- **Tech Stack**: Java, Spring Boot 3, MySQL, Kafka, Eureka, Redis, OAuth2, Spring JPA, Hibernate.

Article Space (Full stack project)　　　　　　　　　　　　　　　　　　　**GitHub**
- Developed a Full-Stack article management platform enabling users to **create, read, update, delete, and manage** articles with **100%** CRUD coverage and responsive UI/UX.
- Applied **SOLID** principles and interface-driven architecture, resulting in **30%** faster development cycles and significantly improving code maintainability and scalability.
- Integrated **Redis** caching for static data and implemented server-side **pagination**, reducing average API response time from **500ms to 20ms**, enabling **25x** faster data retrieval for large datasets.
- **Tech Stack:**
  Backend: Spring Boot, MySQL, Redis, Spring JPA, Hibernate.
  Frontend: React.js, Tailwind CSS, React Router, Framer Motion.

AI Helper (GenAI project) 🔗　　　　　　　　　　　　　　　　　　　　**GitHub**
- Created an AI-powered tool supporting CSV files and Google Sheets integration.
- Utilized **SerpAPI** for Google search and **Groq AI** to generate context-driven results, reducing research time by **80%**.
- Engineered a robust Streamlit interface that provided seamless result downloads for over **200** users, streamlining workflows.
- **Tech Stack:** Python, Streamlit, SerpAPI, Groq AI, Pandas.

Algorithmic Achievements

- Solved **600+** DSA problems on **LeetCode** with contest rating of **1752** on Leetcode and **1410** on Codeforces.
- Engineered innovative solutions during **4** hackathons, collaborating with diverse teams to create innovative solutions.

Positions of Responsibility

Junoon NSUT
Head of Social Media Department

- Led a **3-member** team and ensured **100%** timely, high-quality posts across platforms, increasing engagement by 30%.
- Organized **2+** photowalks and conducted a camera handling workshop for **30+** attendees.