Sarthak Mishra

Backend Developer | Java | Spring Boot | Microservices | MySQL | DSA (900+ LeetCode Problems)

New Delhi, India

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Profile Links

Leetcode   LinkedIn   Github

Education

SGTB Khasla College, University of Delhi   **August 2023 - June 2026**
*Bachelor of Science in Computer Science - **CGPA of 9.09***   *New Delhi, India*

Skills

Programming Languages : C++, Java , Python, JavaScript

Backend Development : Spring Boot, Spring Security, REST APIs, JWT, Microservices, Spring Data JPA, Resilience4j

Cloud & DevOps: Familiar with Docker, AWS CDK, LocalStack

Message Brokers: Basic experience with Apache Kafka

Web Development : HTML, CSS

Database : MySQL

Version Control : Git, GitHub , Postman

Computer Science Fundamentals: Strong foundation in Data Structures & Algorithms, OS, DBMS, CN

Scholastic Achievements

- Achieved **1st rank** in the college during the first year with a CGPA of **9.09.**
- Participated in **2 inter-college hackathons**, contributed to frontend development and contributed in team-based projects.

Projects

Patient Management System (Cloud-Native Microservices Project) | *Java, Spring Boot, gRPC, Kafka ,Docker, AWS CDK, PostgreSQL*   **GitHub**

- Engineered **3 microservices** (Patient, Billing, Analytics) for scalable healthcare data management, enabling modular design and separation of concerns.
- Integrated **gRPC** and **Kafka (Protobuf events)** to handle 1000+ patient events, improving inter-service efficiency by **70%** and enabling real-time analytics.
- Deployed infrastructure with **AWS CDK + LocalStack** (ECS, RDS, MSK), using **Docker** for containerization and environment consistency.
- Secured APIs with **JWT-based Auth Service + Gateway Filter**, ensuring **100% protection** of patient data during access and authentication.

Social Media Backend | *Java, Spring Boot, Spring Security, JWT, MySQL, REST APIs*   **GitHub**

- Built **15+ REST APIs** for user authentication, post creation, likes, saves, and personalized feeds, handling **1000+ simulated user actions** in test environments.
- Secured endpoints with **JWT and Spring Security**, achieving **100% protection** of sensitive data during auth tests.
- Designed a **24-hour auto-expiring story system**, improving feed speed by **25%** and cutting redundant queries by **40%**.
- Managed **5+ relational entities** using **Spring Data JPA + MySQL**, supporting **500+ transactional operations** with custom validation and exception handling.

Hotel Rating System (Microservices Architecture) | *Spring Boot, Spring Cloud (Eureka, API Gateway, Config Server), Feign Client, Resilience4j*   **GitHub**

- Developed **3 independent microservices** , enabling real-time aggregation of **100+ ratings**.
- Configured **Eureka + API Gateway** to auto-register and route across **30+ endpoints**, reducing deployment time by **35%**.
- Used **Feign Clients** to streamline inter-service calls, eliminating **60%** of boilerplate HTTP logic.
- Applied **Resilience4j** to sustain **95% uptime** during **500+ fault-tolerant tests**.