

# RAHUL MALHOTRA

+917701815713 | [Rahulxmalhotra.007@gmail.com](mailto:Rahulxmalhotra.007@gmail.com) | [LinkedIn](#) | [GitHub](#)

## Summary

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A passionate and self-driven **Backend Developer** with hands-on experience in building **scalable, real-world applications** using **Java, Spring Boot, PostgreSQL, and Microservices Architecture**. Proficient in developing **REST APIs**, managing **authentication**, and implementing **asynchronous communication** with **Kafka**. Strong problem-solving skills demonstrated by solving over **250+ DSA problems on LeetCode**. Excellent at working in teams, communicating technical ideas, and delivering results. Actively seeking **SDE / Backend Internship Roles** to contribute and grow as a **Software Engineer**.

## Education

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**Vivekananda Institute of Professional Studies** **2024 – 2026**  
*Master of Computer Applications* *Pitampura, New Delhi*

**Vivekananda Institute of Professional Studies** **2021 – 2024**  
*Bachelor of Computer Applications* *Pitampura, New Delhi*

## Relevant Coursework

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- Data Structures
- OOPS
- Algorithm Analysis
- DBMS
- Operating Systems

## Projects

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**Uber Clone Spring Boot Project (Backend)** | [GitHub](#) **October 2024**

- Developed a ride-booking backend system using **Spring Boot, PostgreSQL, and OSRM API**.
- Implemented secure user **authentication and authorization** with **Spring Security**.
- Designed and optimized the ride-matching algorithm using **strategy and design patterns**, reducing average wait time by **50%**.
- Handled complete ride lifecycle: user request, driver assignment, and wallet-based payment.
- **Tech Stack:** Java, Spring Boot, PostgreSQL, OSRM API, Postman

**LinkedIn-Like Social Media Platform (Backend)** | [GitHub](#) **January 2025**

- Built the backend of a LinkedIn-style platform enabling users to **post, like, comment, follow/unfollow**, and receive real-time notifications.
- Engineered the backend of a social media app using **Spring Boot Microservices Architecture**.
- Integrated secure access via **Spring Security, OAuth2, and JWT**.
- Stored and queried user and post data using **PostgreSQL and Hibernate**.
- Used **Apache Kafka** for real-time event streaming and asynchronous communication.
- Utilized **Neo4j** for efficient graph-based relationship traversal among users.
- Enabled service registration and discovery using **Eureka**.
- Implemented inter-service communication with **OpenFeign**.
- Routed and secured service requests via **Spring Cloud API Gateway**.
- **Tech Stack:** Java, Spring Boot, PostgreSQL, Neo4j, Kafka, Eureka, OpenFeign, Spring Cloud Gateway

## Technical Skills

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Languages: **Java, Python, C, SQL, HTML/CSS**

Developer Tools: **Git, GitHub, Postman, IntelliJ, Eclipse, DBeaver**

Technologies / Frameworks: **Spring Boot, Spring Cloud, REST APIs, Microservices, PostgreSQL, Neo4j, Kafka**

## Achievements / Certifications

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- Solved over **250** problems on **LeetCode** focusing on **Data Structures and Algorithms**.
- Completed **Spring Boot 0-1 (Beginner)** course from Coding Shuttle (Completed: **October 5, 2024**). [Certificate](#)
- Completed **Spring Boot 1-100 (Advanced)** course from Coding Shuttle (Completed: **February 17, 2025**), covering Spring Security, data persistence, and microservices. [Certificate](#)
- Completed **DSA Bootcamp** from Take U Forward, covering arrays, recursion, linked lists, trees, dynamic programming, and more. [Certificate](#)