




AYUSH RAJ

 <https://github.com/ayushraj9725>

I am specializing in Computer Science and Engineering . My academic path has been enriched by hand-on experience with problem solving in Data Structure and with a keen interest in software development as backend. I focus on enhancing my skill in programming, algorithm design and emerging technologies to build impactful solution .Highly driven and quick learner, ready to bring fresh perspectives. Adapting to challenges and committed to achieving excellence in every task.

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SKILL

- C/C++ Programming
- Java
- Python
- HTML , CSS , Javascript
- SQL / NoSQL , MySQL
- Data Structure and Algorithm
- System Design Basics (HLD / LLD)
- Software Engineering
- Spring Boot
- Spring MVC
- Hibernate | JDBC
- Microservices
- Authentication and Kafka
- Unit Testing / J Unit
- Docker , AWS | EC2 | RDS

PROJECTS

➔ Uber Ride Management Platform – Microservices-Based System (Ongoing)

Built and deployed 6+ scalable microservices for a ride-sharing platform using **Java** and **Spring Boot**

- **Uber-Authentication-Service** - Manages secure user authentication and authorization across services.
Tech Used : Spring Security, JWT tokens, AWS for secure token storage, JUnit tests
- **Uber-Booking-Service** - Handles user ride booking workflows, payment scheduling, and ride status tracking.
Tech Used : Spring Boot, Hibernate, MySQL, Kafka (event notifications), JUnit (unit testing)
- **Uber-Location-Service** - Manages real-time geolocation data of drivers and passengers.
Tech Used : Kafka (stream location updates), Spring Boot, Dockerized deployment
- **Uber-Discovery-Server** - Service registry enabling dynamic discovery and load balancing between microservices.
Tech Used : Netflix Eureka, Spring Cloud, Docker
- **Uber-Entity-service** - Centralized entity management for users, rides, and vehicles with data validation.
Tech Used : Hibernate, Flyway DB migrations, MySQL
- **Uber-Review-Service** - Allows drivers and passengers to review each other post-ride.
Tech Used : Spring Boot, Hibernate, Kafka (async review processing), AWS RDS


➔ Hotel Management System

Sep 2024 – Oct 2024

- Built a **terminal-based** hotel management system using **Java**, **JDBC**, and **MySQL**, focused on core business logic and **database** operations.
- Implemented **CRUD functionalities** for room booking and guest management, practicing real-world backend logic without UI layers.

CERTIFICATES AND ACHIEVEMENTS

- ➔ Java Foundation Certification (Infosys)
- ➔ DSA Problem Solving In Summer Workshop (GeeksForGeeks)
- ➔ Software Development Fundamentals (Accenture)
- ➔ AWS Academy Cloud Foundations (AWS)

Solved 350+ problems on LeetCode across data structures and algorithms. Regular participant in LeetCode Weekly Contests, consistently improving global ranking and problem-solving speed.  <https://leetcode.com/u/ayushraj1225/>

EDUCATIONS

- ➔ Meerut Institute of Technology (MEERUT)
B.Tech. - Computer Science & Engineering | AKTU | CGPA : 7.6
May 2022 - June 2026
Meerut , Uttar Pradesh
- ➔ T.N.B College Bhagalpur (BHAGALPUR)
12th | BSEB | Percentage : 82.20
Apr 2021 - Mar 2022
Bhagalpur , Bihar