

MADHAV CHAURASIYA

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 Portfolio

Professional Summary

Java Developer with hands-on experience building scalable backend systems using Java, Spring Boot, and MySQL for production-ready applications.

Skilled in designing RESTful APIs, implementing MVC architecture, and integrating secure login and role-based access systems.

Developed multiple full-stack applications and independently solved 80+ LeetCode problems to deepen understanding of algorithms and data structures.

Dedicated to delivering efficient, maintainable code and contributing to agile development teams focused on impactful software delivery.

Technical Skills

- **Programming Languages:** Java (Core Advanced)
- **Frameworks & Libraries:** Spring Boot, Spring MVC, JDBC
- **Databases:** MySQL, SQL (Joins, Triggers, Indexing)
- **Web Technologies:** RESTful APIs, JSP/Servlets, MVC Architecture, Session Management
- **Tools & Platforms:** Git, GitHub, IntelliJ IDEA, VS Code
- **Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Exception Handling, Multithreading, Authentication & Authorization
- **Deployment & Others:** Tomcat Server, Maven, JAR/WAR packaging, Agile Methodologies

Projects

Hospital Management System

Java, JDBC, JSP/Servlet, MySQL, HTML, CSS

- Built a multi-role hospital system (admin, doctor, patient) used by 50+ users, featuring login, dashboards, and session handling.
- Optimized data flow using JDBC and MySQL; reduced query execution time by **25%** through indexed access.
- Applied MVC using JSP/Servlet, improving code maintainability and reducing bug fix time by **30%**.
- Integrated secure authentication and form validation; reduced login errors by **40%**.

Food Ordering App

Java, Spring Boot, Thymeleaf, Spring Security, MySQL

- Deployed a food ordering system with 3 user roles and 10+ functional features, accessed by 200+ mock users in testing.
- Created 12+ REST APIs with Spring Boot and Spring Data JPA for seamless CRUD on food items and orders.
- Improved form validation and session handling, reducing submission errors by **35%**.
- Implemented Spring Security with role-based access; detected and blocked 100% of unauthorized access attempts.

Achievements

- Solved **80+ LeetCode problems**, focusing on core Data Structures and Algorithms (DSA), including Arrays, LinkedLists, Trees, and Dynamic Programming.
- Led and mentored a **50+ member online coding community**, conducting weekly live sessions, mock interviews, and peer code reviews.
- Deployed 2+ **full-stack Java projects** using Spring Boot, MySQL, and HTML/CSS; shared and maintained clean code on GitHub.
- Built a multi-role **Hospital Management System** integrating role-based access and session security with Java and MySQL.
- Provided GitHub support to peers by reviewing pull requests, suggesting optimizations, and resolving bugs in shared repositories.

Education

Veer Bahadur Singh Purvanchal University <i>Bachelor of Computer Applications (BCA)</i> CGPA: 7.8/10	Jul 2022 – Jul 2025 <i>Jaunpur, Uttar Pradesh</i>
Relevant Coursework: Data Structures, Database Management Systems, Java Programming, Operating Systems, Web Development	
Dr. Ram Manohar Lohiya Inter College, UP Board <i>Senior Secondary (Class XII) - Science Stream</i> Score: 66.6	Mar 2021 – Feb 2022 <i>Jaunpur, Uttar Pradesh</i>

Subjects: Physics, Chemistry, Mathematics, English

Certifications

Full Stack Java Developer Certification – Kshitij CodeForge Completed a 12-week hands-on training covering Java (Core Advanced), Spring Boot, Spring MVC, MySQL, JDBC, REST APIs, and deployment techniques using Maven and Tomcat. Built 2 complete full-stack applications during the course.
Git & GitHub for Developers – Coursera (Audit) Learned version control fundamentals, branching, pull requests, resolving merge conflicts, and best practices for collaborative software development.
Object-Oriented Programming in Java – NPTEL (Government of India) Studied Java classes, inheritance, polymorphism, interfaces, file handling, and exception management with real-world applications.