

MADHAV CHAURASIYA

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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.