RAJ KUSHWAHA

+91 6264100725 — raj24kush@gmail.com — linkedin.com/in/rajkushwaha0111 — github.com/rajkushwaha7584

PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate specializing in AI & ML with strong expertise in Java and Spring Boot. Experienced in building secure and scalable backend systems using Spring Security, RESTful APIs, and Docker. Passionate about backend engineering, system design, and real-world problem solving.

EDUCATION

Oriental Institute of Science and Technology — Bhopal, MP
B.Tech in Computer Science & Engineering (AI /ML) — *Sep. 2022 – Jun. 2026*

EXPERIENCE

Vidyayatan Technologies — Mar 2025 – Present
Software Development Engineer Intern — *Bhopal, India*
- Developed scalable **RESTful APIs** using **Spring Boot** to support backend business logic and **CRUD** operations.
- Optimized **SQL** queries and applied indexing strategies, improving **API** response time by nearly 30%.
- Implemented **JWT**-based **authentication** and role-based access control to secure application endpoints.
- Integrated Stripe and **Razorpay** payment gateways to enable secure and automated transactions.

PROJECTS

SmartGym – Fitness Activity Tracking & Recommendation System — Jan 2026
- **Tech Stack:** Java, Spring Boot, Spring Security, JWT, Docker, REST APIs, Swagger, Postman
- Implemented JWT-based authentication and role-based authorization (USER and ADMIN) to secure application endpoints and prevent unauthorized access.
- Designed and developed scalable RESTful APIs for user registration, login, workout tracking, and personalized fitness recommendations.
- Containerized the backend service using Docker, created production-ready images,published them to Docker Hub.
- Documented all APIs using Swagger for developer usability and tested endpoints thoroughly using Postman.

Online Voting Application | *Java, Spring Boot, MySQL* — Oct 2025
- Developed a secure online voting platform with authenticated voter and candidate registration using RBAC.
- Built RESTful APIs with Spring Boot to manage elections, voting workflows, vote casting, and result processing.
- Designed and maintained normalized MySQL schemas to ensure data integrity, transactional consistency, and accurate vote counting.

GadgetHub – E-Commerce Application | *Java EE, JDBC, SQL, Bootstrap* — Jan 2025
- Developed a full-stack e-commerce application supporting user authentication, session management, and secure product browsing.
- Designed normalized database schemas for users, products, orders, and transactions to support scalability and data consistency.
- Implemented a responsive and mobile-friendly user interface using Bootstrap to enhance user experience across devices.

TECHNICAL SKILLS

Programming Languages: Java (JSE/JEE), JavaScript, SQL
Backend Technologies: Spring Boot,Spring Ai, Spring MVC, Spring Security, Spring Data JPA, REST APIs
Databases: MySQL, Oracle SQL
Frontend Technologies: HTML, CSS, Bootstrap, JavaScript
Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, Postman, Docker, Kubernetes, Swagger
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), Microservices, Clean Code, Debugging

CODING PROFILES

- Solved **200+ problems** on **LeetCode**, strengthening **data structures**, **algorithms**, and problem-solving skills.
- Authored **250+ solutions** on **CodeChef**, demonstrating consistent **competitive programming** practice.
- Completed **100+ problems** on **GeeksforGeeks**, focusing on core **computer science** fundamentals.