RANJITHA J U

📞 7019094309 | ✉ ranjithaju4@gmail.com | LinkedIn | GitHub | Mandya, Karnataka

Career Objective

Motivated and detail-oriented Software Engineer with strong problem-solving skills and a solid foundation in Data Structures, Algorithms, Java, and SQL. Skilled in **Full Stack Development**, building dynamic web applications with expertise in both frontend technologies (HTML, CSS, JavaScript, React) and backend frameworks (Spring Boot, Hibernate).

Technical Skills

- **Programming Languages:** Java, Python, JavaScript
- **Web Technologies:** HTML, CSS, React.js
- **Frameworks / Libraries:** Spring Boot, Hibernate, Spring Security, Servlet, JPA
- **Tools & Platforms:** Git, GitHub, Eclipse, VS Code, Postman, Docker, Vercel. CI/CD
- **Databases & Caching:** MySQL, Redis
- **Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, REST APIs, Microservices, Problem Solving

Projects

Scalable E-Commerce Management System

Backend: E-Commerce-Backend | Frontend: E-Commerce-Frontend

Technologies: Java, Spring Boot, REST APIs, JWT Authentication, React.js, MySQL, Razorpay Integration.

- Engineered a modular e-commerce system with Spring Boot REST APIs for Authentication, Product, Cart, Order, and Payment modules, following MVC and layered architecture principles for scalability and maintainability.
- Implemented JWT-based authentication and Spring Security with role-based access control for Admin and Customer users. Integrated Razorpay payment gateway and validated API workflows using Postman.
- Developed responsive frontend using React.js for product listing, cart, and order tracking; integrated with backend APIs, achieving seamless data synchronization, and managed source control via Git/GitHub under Agile sprints.

User Authentication & Registration System 🔗

Technologies: Java, Spring Boot, Spring MVC, Spring Data JPA, MySQL, HTML, CSS, Git, GitHub

- Developed and structured a full user authentication system using Spring Boot MVC with controller–service–repository layers, ensuring maintainable, testable code architecture.
- Implemented server-side form validation and data persistence using Spring Data JPA + MySQL, ensuring secure credential management and data integrity across sessions.
- Designed responsive authentication interfaces with HTML5 and CSS3, integrated backend APIs for dynamic form validation, and maintained version control using Git/GitHub.

Internship & Experience

Software Development Intern, KodNest   *March 2025 – December 2025*

- **Developed and maintained full-stack web modules** using **Java, Spring Boot, and React.js,** collaborating in Agile sprints to deliver scalable, production-ready features.
- **Designed and implemented RESTful APIs** integrated with React.js UI components, **enhancing response time by 20%** through caching and efficient data serialization using **Redis.**
- Managed containerized microservices with **Docker**, deployed builds on **Vercel**, **maintained code repositories** with **Git/GitHub**, and **tested APIs** via **Postman**.

Education

BGS Institute of Technology, Mandya, India   *2021 – 2025*
B.E., Electronics and Communication Engineering   **CGPA: 9.08 / 10**

Achievements & Leadership

Recognized for academic excellence and teamwork — awarded *First Prize* for a technical poster presentation, led a 4-member project team, and volunteered at institute-level tech events.