Ayush Singh

info4ayush@gmail.com **|** 6360-672831 **|** Bangalore, Karnataka

Linkedin - https://www.linkedin.com/in/ayush-singh-8a5806229/ **|** **Github** - https://github.com/Ayush422000

OBJECTIVE

Enthusiastic and detail-oriented **Full Stack Developer** skilled in **Java, Spring Boot, MySQL** and **React** with hands-on experience in building RESTful web applications and APIs. Passionate about developing scalable, efficient, user-centric solutions while contributing to dynamic, agile product teams..

Java Learning Center - Intern   Jan- July, 2025

- Developed and automated **REST APIs** for organizations, groups, subscriptions and tenant management.
- Improved scalability by **implementing API automation** for multi-tenant operations, reducing manual efforts by 30%.
- Developed responsive user interfaces using **HTML, CSS and Bootstrap**, ensuring cross-browser compatibility and clean UI layouts.
- Designed and optimized **database schemas**, enhancing query performance and reducing response time by 25%.
- Applied **MVC architecture** and OOP principles to deliver maintainable, scalable, and production-ready code.
- Collaborated in **Agile** sprints with cross-functional teams, ensuring timely delivery of features.

Tech Stack: Java, Spring Boot, Hibernate/JPA, Microservices, REST APIs, ReactJS, MySQL, JSON, GitHub

PROJECTS

AI-Powered Gmail Assistant

- Built SmartAI Email Reply Generator **integrating Gemini API**, boosting email productivity by ~60% faster reply drafting.
- Developed frontend (React + Vite + Material UI) and backend (Spring Boot, REST APIs) handling multiple requests in testing.
- Designed a **Chrome Extension** (**Manifest V3**) integrated directly into Gmail, enabling 1-click **AI reply generation.**
- Implemented secure API authentication and **tone customization** (Professional, Casual, Friendly), tested across 100+ sample emails.
- Optimized backend services in IntelliJ, achieving ~30% faster API response times compared to baseline implementations.

Tech Stack: Java, Spring Boot, React, Vite, Material UI, Chrome Extension (Manifest V3), Gemini API,Postman Testing

Book Finder

- Built a **book finder web app** with **React 18** and **Open Library API**, supporting multi-type search (title, author, subject, publisher).
- Designed a **modern, responsive UI** with **animations, hover effect and mobile-first layouts** for seamless cross-device usability.
- Implemented **favorites, search history and a 5-star review system** with persistent storage using **local storage**.
- Kept the **UI clean** with modern card layouts and hover animations while **handling edge cases** for smoother user interactions.

Tech Stack: React, JavaScript, HTML5, CSS3, Bootstrap, Open Library API

Technical Skills

Backend Technologies: Java, Spring IOC, Spring MVC, Spring Boot, Hibernate/JPA, Servlets, JSP, JDBC, Microservices, RESTful Web Services, CI/CD Pipeline, Version Control, Agile Methodology, Unit Testing (JUnit).
Front-end Technologies: HTML5, CSS3, JavaScript, Bootstrap, ReactJS
Databases: MySQL
Concepts: OOP, SDLC, Debugging, Agile practices,MVC Architecture
Tools: Git, Github, Jenkins, IntelliJ, VS Code, Eclipse, Maven, JSON, Jira

LICENSES & CERTIFICATIONS

Oracle Java Foundations (LinkedIn Learning) || Web Development (Udemy)|| Servlets (Simplilearn) || JDBC (LinkedIn Learning) MySQL (Infosys Springboard) || Spring Framework(LinkedIn Learning) || HIbernate/JPA(LinkedIn Learning)

EDUCATION

Master's in Computer Applications(IGNOU)   Expected(2026)
New Delhi (CGPA: 4.0/5.0)
Bachelor's in Computer Science(SPPU)   2021- 2024
Pune,Maharashtra (CGPA: 7.8/10.0)

ACHIEVEMENTS

Solved 200+ programming problems on CodeChef, Leetcode enhancing logical reasoning, debugging and algorithmic thinking skills.