

Ayush Singh

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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 (SGPA: 7.7)

Bachelor's in Computer Science (SPPU)

2021- 2024

Pune, Maharashtra (CGPA: 7.8)

ACHIEVEMENTS

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