

# JYOTHSWAR YALLA

Software Engineer Intern | Backend Developer (Java, Spring Boot)

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## Summary

Backend-focused Computer Science undergraduate skilled in Java and Spring Boot, with hands-on experience building, securing, and deploying RESTful backend systems using MySQL and Docker. Developed production-ready applications deployed on cloud platforms and solved 200+ DSA problems using Java. Actively seeking Software Engineer Intern or Backend Intern roles.

## Experience

### Backend Developer Intern — Self-Directed Experience

May 2025 – Present

- Designed and developed RESTful APIs using Java and Spring Boot following MVC architecture.
- Implemented secure authentication and authorization using Spring Security and BCrypt.
- Integrated MySQL using JPA/Hibernate and deployed Dockerized applications on cloud platforms.

## Projects

### E-Commerce Backend Application

Java, Spring Boot, MySQL, Spring Security, Docker

- Developed a backend-driven e-commerce system supporting user authentication, product management, cart operations, and order processing.
- Integrated MySQL (Clever Cloud) and secured passwords using BCrypt.
- Dockerized and deployed the application on a cloud environment(RENDER).

[Live Demo](#) | [GitHub](#)

### Quiz Management Application

Java, Spring Boot, MySQL, Docker

- Built a secure quiz platform with user registration, login, session handling, and protected routes.
- Implemented difficulty-based quizzes serving 10 randomized questions per attempt from MySQL.
- Designed automated scoring and result evaluation logic with edge-case handling.

[Live Demo](#) | [GitHub](#)

### Movie Recommendation Application

Java, Spring Boot, REST APIs, TMDB API

- Built REST APIs to fetch and serve real-time movie data using the TMDB public API.
- Implemented exception handling and clean API response structures for frontend integration.
- Displayed real-time movie data including ratings and descriptions.

[Live Demo](#) | [GitHub](#)

## Technical Skills

**Languages:** Java, JavaScript

**Backend:** Spring Boot, Spring MVC, Spring Security, REST APIs, Hibernate (JPA)

**Database:** MySQL, SQL Queries, Joins

**Frontend:** HTML, CSS, JavaScript

**Tools:** Docker, Git, GitHub, Render, Clever Cloud, VS Code

**Concepts:** OOP, MVC Architecture, Authentication & Authorization

## Problem Solving

Leetcode

Solved 200+ DSA problems on LeetCode using Java across Arrays, Strings, Linked Lists, Stacks, Queues, Trees, Graphs, Searching, Sorting, and basic Dynamic Programming.

## Education

**B.Tech — Computer Science (Cyber Security)**

Sri Venkateswara College of Engineering

2023 – 2027 | CGPA: 8.75

**Class XII** — SBN Junior College | 91%

**Class X (CBSE)** — Kendriya Vidyalaya, Venkatagiri | 86.5%

## Certifications

Responsive Web Design — freeCodeCamp

JavaScript Projects — freeCodeCamp