

SIDDHI PATIL

Java & React Developer

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Summary

Detail-oriented **Java and React Developer** with hands-on experience in building full-stack web applications using **Spring Boot**, **React.js**, and **AWS Cloud (EC2, S3)**. Skilled in developing **REST APIs**, integrating **MySQL databases**, and managing state with **Redux Toolkit**. Passionate about writing clean, scalable, and maintainable code to enhance application performance.

Technical Skills

Programming Languages: Java, Python, C++

Frameworks & Libraries: Spring Boot, React.js, Redux Toolkit, Flask, TensorFlow

Databases: MySQL

Cloud & Tools: AWS (EC2, S3, Lambda), Git, GitHub, Eclipse, VS Code

Concepts: REST APIs, MVC Architecture, Agile Development, Debugging

Experience

Student Management System

Jan 2025 – Apr 2025

Spring Boot, Thymeleaf, MySQL, JPA

- Developed a full-stack CRUD application using **Spring Boot**, **Thymeleaf**, and **MySQL** to manage student records, improving efficiency by 25%.
- Built RESTful APIs using **Spring Boot MVC** and **Spring Data JPA**, ensuring seamless database integration and faster query execution.
- Enhanced front-end responsiveness with **Thymeleaf** and **Bootstrap**, improving cross-device compatibility by 30%.
- Collaborated in Agile sprints to debug and deploy new features, increasing overall system reliability by 30%.

Projects

Rice Leaf Disease Detection System | *Python, TensorFlow, Flask, HTML, CSS, AWS Cloud*

Jan 2025 – Mar 2025

- Built and deployed a **machine learning web app** using **TensorFlow** and **Flask** to classify rice leaf diseases via CNN models.
- Achieved **92% accuracy** on 5,000+ leaf images after model tuning and optimization.
- Integrated real-time prediction with a Flask web interface, reducing manual diagnosis time by 40%.
- Improved UI and accessibility using **HTML**, **CSS**, and Flask templates for a responsive design.

Amazon Clone Web Application | *React.js, Redux Toolkit, JavaScript, AWS Cloud*

Feb 2025 – Apr 2025

- Developed a scalable e-commerce web application replicating **Amazon's core features** like product listing, cart, and checkout.
- Used **Redux Toolkit** for efficient state management, improving UI responsiveness by 30%.
- Increased performance by 35% using reusable **React components** and optimized state handling.
- Deployed responsive front-end on **AWS EC2/S3**, ensuring scalability and availability.

Certifications

Java Developer Internship – Yhills Smart Swift Innovations (Jan 2025 – Apr 2025)

AWS Cloud Practitioner (in progress)

Education

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Graduated: 2025

Annasaheb Dange College of Engineering and Technology, Ashta

CGPA: 7.5 / 10