

Spandana K

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Professional Summary

Java Software Engineer fresher skilled in Core Java, OOP, Data Structures, Spring Boot, REST APIs, React.js, Angular, and MySQL. Experienced in building scalable web applications, integrating APIs, and applying Agile & Git workflows. Strong problem-solving, debugging, and performance optimization skills, with hands-on full-stack project experience including Blood Bank Management System and Crop Yield Prediction.

Technical Skills

- Programming Languages: Java, Python, JavaScript, HTML5, CSS3
- Frameworks & Libraries: Spring Boot, React.js, Angular, Django, Flask-
- Databases: MySQL, SQLite
- Tools & Platforms: Git, GitHub, Agile (Scrum), RESTful APIs, DevOps (CI/CD basics)
- Other Skills: OOP, Debugging, Performance Optimization, Security Best Practices, Documentation

Projects

1. Student Marks Management | Java
 - Applied OOP concepts (Encapsulation, Inheritance, Polymorphism) for modular, reusable code.
 - Console-based application for efficient student grade management.
2. Crop Yield Prediction & Climate Change Impact | Flask, Python, SQLite
 - Predictive web platform with REST API integration.
 - Showcases problem-solving & data handling skills.
3. Blood Bank Management System | Django, Python
 - Full-stack web app with secure CRUD and role-based access.
 - Demonstrates API integration & database management skills.
4. Hospital Management System | PHP, MySQL
 - Developed full-stack web application to streamline hospital operations, including automated patient and staff record management.
 - Integrated REST APIs for real-time updates and ensured secure, efficient data handling.
 - Applied modular coding practices for maintainable and scalable system design.
5. React To-Do App | React.js, JavaScript, CSS
 - Created dynamic, interactive to-do app with real-time UI updates and local storage integration.
 - Ensured responsive design for cross-device compatibility.
6. Password Tester | Python
 - Designed a tool to validate password strength based on security criteria.
7. Tic Tac Toe | JavaScript
 - Developed an interactive web-based Tic Tac Toe game using JS and HTML/CSS.

Internship

- SuprMentr Technologies Pvt. Ltd Project: Password Strength Tester | Python, Regex
- Developed a password strength testing tool using Python & regex, providing real-time feedback (Weak/Medium/Strong).
- Enhanced user security by Integrated 10+ regex patterns for secure coding.

Education

BE in Information Science | BIET | 2025

Training / Certifications

- Hands-on training in Full Stack Development (Java, Angular, Spring Boot)
- Completed Machine Learning projects in Python (Flask, Scikit-learn)

Key Strengths

- Core Java, OOP, Data Structures
- Spring Boot & REST API development
- Full-stack web app development
- Agile & Git workflow experience
- Debugging & performance optimization