

JEGATHEESHWARAN JEYAKKANTH

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I'm an undergraduate computer science student with hands-on experience in building full-stack applications using Java Spring Boot and React.js. I currently work on developing backend APIs, but I also enjoy full-stack development and continuously improve my frontend skills. I have basic knowledge of the MERN stack and a strong interest in learning new technologies. I'm a fast learner, motivated, and eager to join a team where I can grow, contribute effectively, and build real-world applications.

RECENT PROJECTS

Task Management System (React.js, Spring Boot, Java, REST APIs, MySQL)

Developed a full-stack Task Management System using React.js and Spring Boot, enabling user management, task creation, assignment, and progress tracking with proper user-task relationship handling. Implemented active/inactive user controls, task priority and due date validation, status transition enforcement, workload reporting, and overdue task monitoring, while building a responsive UI and following RESTful backend architecture with MySQL integration.

Hotel Management System (React.js + Spring Boot + MySQL)

I am currently working on a modern hotel management system where I build the frontend using React.js and Tailwind CSS, with the help of AI tools to create a clean and user-friendly interface. The backend is developed using Java Spring Boot, where I create REST APIs, manage user privileges, handle authentication tokens for secure page access, and implement proper exception handling. I also work with various Spring Boot dependencies and configurations. For the database layer, I use MySQL, design ER diagrams, and handle database table mapping to ensure smooth system functionality.

Election Management System (React.js + Java Servlets + MySQL)

I developed a simple election management system where users can enter districts, parties, and vote counts, and the system processes results. The frontend was built using React.js, and the backend was created using Java Servlets running on Tomcat, with MySQL as the database. This project helped me understand how to build REST APIs, connect the frontend with the backend, handle errors, and manage full-stack integration effectively.

Final Year Project – Soil Classification and Crop Suggestion Using Machine Learning

I developed a web application that classifies soil types and suggests suitable crops based on the soil. The front end was built using React.js and CSS, while the backend used Python and a CNN model to analyze soil images. This project gave me hands-on experience in combining machine learning with web development, focused on solving real-world agricultural problems in Sri Lanka.

EDUCATION

Bachelor of Science in Computer Science July 2022 – July 2025

- Eastern University, Sri Lanka – Trincomalee Campus

Software Engineer Intern July 2025 - Jan 2026

Samuel Janam IT Centre, Jaffna

- Working on React.js and Java Spring Boot-based projects.
- Building user-friendly front-end interfaces and integrating with backend REST APIs.
- Gaining hands-on experience in error handling, authentication, and database management.
- Improving development workflow with AI-assisted tools and modern best practices.
- Relevant coursework in Structural Design and Project Management.

ADDITIONAL INFORMATION

- Frontend: React.js, JavaScript, HTML5, CSS3, Tailwind CSS
- Backend: Java, Spring Boot, Java Servlets, Tomcat Server
- Database: MySQL, SQL Queries, ER Diagram Design, Table Mapping
- Tools & Technologies: REST API Development, Git/GitHub, Postman, VS Code, IntelliJ IDEA
- Other Skills: Debugging & Error Handling, API Integration, Object-Oriented Programming (OOP), Basic MERN Stack Knowledge