

# THARMATHURAI KAJAGOBAN

## Software Engineer

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🌐 Tharmathurai Kajagoban

## PROFILE

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Detail-oriented Computer Science graduate with hands-on experience as a Full Stack Developer Intern, actively seeking a Software Engineering Position. Experienced in designing and developing full-stack applications using Spring Boot, React, and RESTful APIs, and proficient in Git and GitHub for version control. Passionate about building scalable, efficient, and maintainable software solutions while solving real-world problems. Demonstrates strong problem-solving abilities, effective teamwork, and clear communication skills, with a continuous drive to learn and adapt to new technologies.

## PROFESSIONAL EXPERIENCE

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### Full Stack Developer Intern

07/2025 – present | jaffna

Samuel Gnanam IT Center

- Developing and enhancing full-stack web applications using **Spring Boot, React, and TypeScript**, focusing on scalable and maintainable architecture.
- Managing source code with **Git/GitHub**, including **pull requests and code reviews**, to ensure code quality and smooth integration.
- Improving UI and form handling using **React Hook Form** and **Tailwind CSS**, integrating **Axios** for efficient API communication.

## EDUCATION

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### BSc in Computer Science

Trincomalee Campus, Eastern University of Sri Lanka

## PROJECTS

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### Restaurant Management System

- Built a **full-stack Restaurant Management System** using **React (TypeScript), Spring Boot, and MySQL**.
- Implemented **restaurant CRUD operations with pagination**, food ordering, customer management, user management, and email configuration.
- Secured the system with **JWT authentication** and **role-based access control** using **Spring Security**.
- Improved UI and form handling with **React Hook Form** and **Tailwind CSS**, integrating **Axios** for efficient API communication.

### Restricting Fake Content Spreading on Social Media Using Blockchain

**Front-End Development:** Developed an intuitive web interface for users to report, validate and view flagged social media content, with real-time updates and community feedback integration.

**Database Management:** Using IPFS for decentralized content storage and managed user reputation and activity logs using a hybrid on-chain/off-chain architecture to ensure data integrity and efficient access.

**Back-End Development:** Built a scalable backend using Python and Solidity, implementing FBA consensus, sharding, and a reputation-based system to assess content credibility. Tools used: [Solidity, Python, IPFS, NLP, Blockchain, Smart Contracts, Web3.js, ReactJS, Node.JS]

### Leave Management System

- Developed a full-stack **Leave Management System** using **Laravel (REST APIs), Vue 3, and MySQL**.
- Implemented **role-based authentication and authorization** using **Laravel Sanctum** for Admin / Manager / Employee roles.
- Built **leave request, approval workflow, and leave history management** with pagination and filtering.
- Designed **admin and manager dashboards** and a responsive UI using **Vue 3, Tailwind CSS, and Vue Router**.
- Integrated **Axios** for efficient API communication, error handling, and form validation.

**ATM Management System**

- Developed a full-stack **ATM Management System** using **Java (JDBC)** for backend logic, **React with TypeScript** for the frontend, and **MySQL** for data storage.
- Implemented **secure user login** with card number and PIN validation using **MySQL database queries**.
- Built **deposit and withdrawal modules**, including **currency note breakdown calculation** for deposited amounts.
- Designed responsive and reusable UI components using **React**, with navigation handled by **React Router**.
- Integrated frontend and backend using **RESTful APIs** and handled form validation and error scenarios.

**SKILLS**

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**Development Technologies**

Java | C++ | PHP(Laravel) |  
Python | HTML | Tailwind CSS |  
JavaScript | Vue 3 | React

**Version Control**

Git | GitHub

**Database Management**

MongoDB | MySQL

**REFERENCES**

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**Mrs.Thanushya Thanujan**, *Senior Lecturer Gr-II*,  
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