



Thisarani Aloka Software Engineer - Intern

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🌐 Thisarani aloka

🔗 Portfolio

PROFILE

Aspiring and self-driven Computing and Information Systems undergraduate at Sabaragamuwa University of Sri Lanka, seeking a Software Engineer Internship. Skilled in software design, development, and database management with hands-on experience in MERN stack projects and Agile methodologies. Passionate about developing efficient, reliable software solutions, solving real-world problems, and contributing effectively within collaborative teams while continuously enhancing technical and analytical skills.

EDUCATION

BSc (Hons) in Computing & Information Systems

Sabaragamuwa University of Sri Lanka

2023 – present

G.C.E. Advanced Level in Physical Sciences Stream

Kuli/ Bingiriya Sri-Saranankara National College

2021

PROJECTS

Car Rental Web App – MERN Stack (Individual Project) 🔗

MongoDB | Express.js | React.js | Node.js

Designed and developed a full-stack car rental platform enabling users to browse and book cars, with role-based access for admins to manage vehicles and bookings. Implemented secure authentication, CRUD operations, and image uploads for car listings. Built and optimized an admin dashboard with efficient MongoDB queries and robust image handling to deliver a seamless booking and management experience.

E-Commerce Platform – MERN + Redux (Individual Project) 🔗

MongoDB | Express.js | React.js | Node.js | Redux

Built a dynamic online store with product search, filtering, and sorting to enhance user navigation and shopping experience. Integrated authentication and authorization and implemented Redux for scalable state management across user and admin roles. Designed RESTful APIs and dashboards for managing products, categories, and orders, ensuring seamless performance and an intuitive user interface.

Real-Time Chat Application – MERN + Socket.io (Individual Project) 🔗

MongoDB | Express.js | React.js | Node.js | Socket.io

Built a real-time messaging app featuring JWT authentication and a Socket.io-powered chat system for seamless communication. Designed a responsive React UI optimized for all devices, securely stored messages in MongoDB with an efficient schema design and implemented instant message delivery and user status updates for an engaging chat experience.

WaveWord – Assistive Communication App (Group Project) 🔗

React Native | AI/ML | Real-time Processing

Built a mobile app that translates hand signs into speech, featuring real-time video calling for inclusive communication. Integrated AI-based gesture recognition and Firebase for authentication and data storage. Designed an accessible mobile UI and contributed to the WebRTC video call module.

My Contribution: Focused on Firebase integration, UI/UX in React Native, and WebRTC video calling.

MyDocTime – Doctor Appointment Platform (Individual Project) 🔗

React.js | Tailwind CSS

Designed a modern, responsive app for doctor and patient profiles with appointment scheduling. Developed reusable React components for scalable UI and consistent design patterns, ensuring smooth navigation, responsiveness across devices, and efficient booking experience for users.

Veterinarian Management System (Group Project)

HTML | CSS | PHP | JavaScript

Developed a web-based system for pet registrations, user accounts, and appointment management. Designed intuitive front-end interfaces and implemented back-end data handling with PHP. Worked collaboratively in a team to deliver end-to-end functionality for clinics.

My Contribution: Handled front-end development and supported PHP-based appointment logic.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, PHP

Web Technologies: HTML, CSS, React.js, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js

Databases: MySQL, MongoDB

Version Control: Git, GitHub








Tools: Figma, Visual Studio Code, IntelliJ IDEA, Postman

Concepts: Object-Oriented Programming, Agile Development

SOFT SKILLS

- Leadership
- Problem Solving
- Multitasking
- Quick Learning
- Communication Skills
- Team Collaboration

CERTIFICATES

- Full Stack Developer Course – Simplilearn 
- React Basic Certificate - Hackerrank 
- Java Programming for Beginners - Simplilearn 
- Introduction to MERN Stack - Simplilearn 
- Software Engineer Intern - HackerRank 
- Introduction to Software Testing - Simplilearn 
- Agile Manual and Automation Testing - Techcanvass 

EXTRACURRICULAR ACTIVITIES

Member

Society of Computer Sciences (SOCS), Sabaragamuwa university Sri Lanka

Member

Rotract Club, Sabaragamuwa university of Sri Lanka

Participants

J'puraXtreme 2.0 - Island-wide Inter-University 24-hour Programming Competition organized by IEEE Student Branch, University of Sri Jayewardenepura (2025)

REFERENCES

Mrs. RMKK Wijerathna

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