

SAINSA RETHMI THENNAKoon

Aspiring Full Stack Developer

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EXPERIENCE

Finalist – Circle Edge National Competition Shangri-La Colombo

2025

Colombo, Sri Lanka

- Recognized for excellence in technical architecture and system design
- Awarded the Innovative Software Solution Award for delivering a scalable and impactful solution, being selected among the top 6 finalists in the national competition.

Participant – Genesis Hackathon IJSE Institute of Software Engineering

2024

Panadura, Sri Lanka

- Selected for the semi-final round in a competitive 24-hour national hackathon.
- Collaborated in a fast-paced team environment to design and implement core system features.

PROJECTS

SmartStay Hotel Management System Spring Boot, MySQL, SMTP

2025- Present

- Architected a scalable hotel booking engine with secure JWT authentication and role-based access control.
- Optimized database schema design and indexing to enhance booking and transaction performance.
- Designed RESTful APIs for reservations, room management, payment integration and automated email notifications.

HandSpire Craft Platform React, Node.js, MongoDB

2026 - Present

- Developed a full-stack craft marketplace with optimized API routing and secure user authentication.
- Built reusable, responsive UI components to ensure seamless cross-device compatibility.
- Structured MongoDB collections to support efficient product management and dynamic content rendering.

Streakify Habit Tracker React Native, Expo, TypeScript

2026 - Present

- Built a cross-platform mobile habit-tracking application with offline-first data persistence using AsyncStorage.
- Designed an intuitive and responsive mobile UI focused on productivity tracking.

SUMMARY

Full-Stack Developer with a strong foundation in Computer Science and Information Technology. Skilled in designing and developing scalable end-to-end web applications using Spring Boot, Java, MySQL, and the MERN stack. Experienced in transforming UI/UX designs into responsive, high-performance applications. Passionate about writing clean, maintainable code and delivering seamless user-centered digital experiences.

TECHNICAL SKILLS

Frontend & UI/UX

- React.js
- React Native
- TypeScript
- Figma
- Tailwind CSS

Backend

- Java (Spring Boot)
- Node.js & Express
- Python

Tools & Workflow

- Git & GitHub
- Postman
- Agile/Scrum

Database & Cloud

- MySQL
- MongoDB
- Firebase

FIND ME ONLINE

GitHub

LinkedIn

CERTIFICATIONS

Diploma in Information Technology
ESOFT Metro Campus

Circle Edge Certificate


IJSE-Institute of Java & Software Engineering

GENESYS Hackathon

IJSE-Institute of Java & Software Engineering


PROJECTS

Patient Risk Stratification System **Python, BeautifulSoup, Seaborn, Data Analysis**

 Jan 2026

- Enhanced medical predictive capabilities by building a Vitality Complexity Index that processes large clinical datasets to identify high-priority patient cases.
 - Translated complex clinical data into actionable medical insights using interactive Seaborn visualizations, directly assisting staff in triage accuracy.
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The Book Nook – Bookshop Management System **Java,MySQL**

 Jan 2024


- Developed a comprehensive bookstore management system to automate book inventory, sales tracking, and customer management, improving operational efficiency.
- Implemented interactive dashboards for sales and inventory insights, enabling staff to quickly monitor stock levels and top-selling books.

EDUCATION

Undergraduate in Computer Science



[IJSE Institute of Software Engineering](#)


 2024 - Present


 Galle, Sri Lanka

Diploma in Information Technology



[ESOFT Metro Campus](#)


 2022 - 2023


 Bandarawela, Sri Lanka



GCE O/L & A/L (Physical Sciences)

[Vishaka Girls' College](#)

 2008-2021

 Bandarawela, Sri Lanka

REFERENCES

Mr. Prasad Waduge

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Institute of Software Engineering

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