SASANKA KARUNARATHNA

Full Stack Web Developer

📞 +94784583777 @ sasikaru15@gmail.com 🔗 **LinkedIn** 🔗 **Portfolio** 📍 Colombo, Sri Lanka

EDUCATION

BSc (Hons) in Software Engineering

Sri Lanka Institute of Information Technology (SLIIT)

📅 01/2023 - 2026 📍 Colombo, Sri Lanka

- CGPA: 3.9/4.0
- Expected Graduation: 2026
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web & Mobile Development, Database Management, Software Engineering
- Achievements: Deans List (3 Semesters), Academic Excellence Scholarship (2 Semesters)

PROJECTS

Smart Waste Management System

📅 08/2025 - 11/2025

Full-Stack Developer │ Technologies: *Spring Boot, React, PostgreSQL*

- Engineered a complete web-based waste management system with three distinct user roles: Waste Collectors, Residents, and Admin.
- Developed the Waste Collector Module enabling collectors to log waste amounts and calculate payments based on weight and type.
- Built the Resident Portal allowing users to schedule pickups, track collection history, and make payments.
- Created the Admin Dashboard for managing users, monitoring collection metrics, generating reports, and overseeing system operations.
- Design a PostgreSQL database schema and implemented Spring Boot REST APIs for secure data handling and role-based access control.

EcoConnect – Environmental Sustainability App

📅 08/2025 - 10/2025

Full-Stack Mobile Developer │ Technologies: React Native, Expo, Firebase, TypeScript

- Developed a cross-platform mobile app for organizing beach cleanup events and tracking waste analytics using React Native and Expo.
- Built and implemented the complete Sponsor Management System, enabling organizations to register, track contributions, and manage sponsorship tiers for environmental events.
- Implemented Firebase Authentication and Firestore for user management and real-time data synchronization between sponsors, organizers, and volunteers.
- Designed an admin dashboard for monitoring sponsorship metrics, contribution tracking, and event participation analytics.

Pet Care Management System

📅 02/2025 - 04/2025

Full-Stack Developer │ Technologies: MERN Stack

- Engineered a full-stack web platform with five modules for comprehensive pet care, including appointment scheduling and event management.
- Implemented JWT-based authentication and role-based access control for admins, veterinarians, and pet owners.
- Developed the complete event management system enabling scheduling and registration for over 100 pet-related activities.
- Designed a responsive UI with React components and managed state effectively using React hooks and context.

SUMMARY

Third-year Software Engineering undergraduate with a 3.9/4.0 GPA, specializing in MERN stack development and mobile application development using Kotlin and React Native. Experienced in building full-stack web platforms, cross-platform mobile apps, and scalable backend systems. Proven ability to deliver complete projects—from UI/UX design to deployment—with a focus on clean code and user-centered solutions. Seeking a Software Engineering Internship to contribute, learn, and grow within a collaborative tech team

LANGUAGES

English
Native
●●●●●

Sinhala
Native
●●●●●

SKILLS

Group Title

| Java | Kotlin | JavaScript | Python |

| C/C++ | HTML5 | CSS3 |

| TypeScript | React | React Native |

| Android SDK | XML | Node.js |

| Express.js | Spring Boot |

| Java Servlets | MongoDB |

| PostgreSQL | MySQL | SQLite |

| Android Studio | Expo | Firebase |

| Git | GitHub | Postman | Figma |

| VS Code | RESTful APIs | OOP |

| Data Structures | Responsive Design |

| Agile | Scrum | AWS |