

# SASANKA KARUNARATHNA

## Full Stack Web Developer

+94784583777 @ sasikaru15@gmail.com <https://www.linkedin.com/in/sasikaru/>  
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