



Sasith Methmal

Computer Science Undergraduate

An enthusiastic Computer Science and Technology undergraduate with a strong foundation in software engineering, full-stack, and mobile application development. Dedicated to solving real-world challenges by delivering efficient, user-focused solutions using innovative technologies.

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SKILLS

Technical Skills: Flutter, React Native, ReactJs, Node.js, Tailwind CSS, MongoDB, Firebase, Spring Boot

Soft Skills: Communication, Teamwork, Collaboration, Self-motivation, Critical Thinking

RESEARCH AND PUBLICATIONS

Image Processing and Machine Learning for Sugarcane Variety Identification and Sugar Production Analysis Based on Environmental Factors.

University • August 2024 – Present

- Developing a mobile app to help farmers and sugar producers classify sugarcane varieties, predict yields, and access real-time grading based on Brix values. Users can capture images for automated identification and receive insights influenced by environmental factors like rainfall and temperature.

Technologies: Machine Learning, Image Processing, Python, Dart.

PROJECTS

KDUGo-Realtime Bus Tracking

Individual • July 2024 - October 2024

- KDUGo is developed using React Native and Firebase to streamline university bus services. The app allows users to book seats and track the real-time location of buses, enhancing convenience and efficiency for students and staff.

Technologies: React Native, Firebase.

Waste Expert-Smart Waste Management System

University • January 2024 - August 2024

- WasteExpert is a mobile and web app revolutionizing waste management in Sri Lanka, offering smart bin tracking, pickup scheduling, waste reporting, and rewards for community engagement. Built with Flutter, React, Firebase, and Google Cloud, it promotes efficiency and sustainability.

Technologies: Flutter, React, Firebase, MongoDB, Node.js, Express.js.

TravelHunt-Hotel Booking WebApp

University • October 2023 - December 2023

- Travel Hunt is a web application that helps users explore top tourist destinations and nearby hotels. It allows seamless hotel booking while providing detailed information on attractions. Built with React and Tailwind for an intuitive frontend and Django for efficient backend operations.

Technologies: React, Tailwind CSS, Django, MySQL.

GuideMe-Connecting travelers with Experienced guides and Drivers

University • July 2023 - November 2023

- Guide Me is a web application that connects travelers with tour guides and drivers for seamless bookings and personalized experiences. Built with React JS, Bootstrap, MySQL, and PHP, it features user-friendly tour creation, negotiation, and booking functionalities, prioritizing usability and security.

Technologies: React, Bootstrap, MySql, php.

EDUCATION

Bachelor of Science in Computer Science and Technology

Uva Wellassa University of Sri Lanka • Badulla • 2025

Cumulative GPA: 3.71

GCE Advanced Level (physical science stream)

Central College Bandarawela • Aug 2019

LANGUAGES

Sinhala,English

REFERENCES

Mr. M.N.T. Nandasena

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