

AKALANKA RATHNAYAKA

FULL-STACK DEVELOPER

PROFILE

Innovative and detail-oriented Computer Science undergraduate with a strong foundation in full-stack development. Passionate about building efficient, userfriendly, and scalable web and mobile applications. Skilled in combining an intuitive frontend with a reliable backend to deliver complete digital solutions. Eager to contribute to impactful real-world work and grow within a collaborative, technology-driven environment.



PROJECTS

Motivo (Garage Management System)

- A mobile app built to manage garage tasks like service tracking, appointments, inventory, and feedback, replacing manual logbooks.
- My Contribution: Led the end-to-end design and development of the system.
- Technologies: Figma, Flutter (Dart), Firestore, Cloud Storage, Firebase

Elephant Pulse (Wildlife Safety Platform)

- · An IoT-based system that uses sensors and image processing to detect elephants near railway tracks in real time, aiming to reduce train collisions and protect wildlife.
- · My Contribution: Worked on IoT integration and sensor handling.
- Technologies: Figma, Flutter (Dart), Python, OpenCV, Arduino, Firebase, GPS

Purple Palace (3D Furniture E-Commerce Platform)

- · An interactive e-commerce web platform that allows users to customize and visualize furniture placement in a virtual 3D room before purchasing.
- My Contribution: Assisted with frontend development.
- Technologies: Figma, React.js, Three.js, JavaScript, Usability testing

Green Library (Library Management System)

- · A system built to automate book reservations, user notifications, and overdue alerts for a university library.
- My Contribution: Developed the frontend.
- · Technologies: Figma, C#, MySQL

Stylora (Full-Stack E-Commerce Web App)

- · A full-stack web application for browsing, purchasing, and managing fashion products with features like real-time chat, cart management, and secure login.
- My Contribution: Developed the frontend.
- Technologies: React.js, Node.js, Express.js, MongoDB, JWT, Docker, GitHub

Medic Aid (Medication Access Mobile App)

- · A location-based mobile app developed to help users quickly access nearby pharmacies, available medicines, and blood donors with real-time updates.
- My Contribution: Developed the frontend.
- · Technologies: Figma, Flutter (Dart), Firebase, Google Maps

Green Events (University Event Ticketing)

- A web app for managing university event listings and real-time ticket updates.
- · My Contribution: Assisted with the backend.
- Technologies: Figma, HTML, PHP, Firebase

Green Pass (University Event Ticketing App)

- · A mobile app for browsing events, purchasing tickets, and validating entry in
- · My Contribution: Assisted with the backend.
- · Technologies: Figma, Flutter (Dart), Firebase

Green Stay (Student Accommodation Portal)

- · A web platform to help students search for and manage accommodation more efficiently.
- · My Contribution: Developed the backend .
- Technologies: Figma, HTML, CSS, PHP, JavaScript, MySQL

+94 704958493

akalankarathnayaka07@gmail.com

Nilwakka, Kegalle, Sri Lanka

linkedin.com/in/akalanka-rathnayaka

EDUCATION

2022-2025

University of Plymouth

BSc (Hons) Computer Science

2020

Physical science stream

· Passed G.C.E. A/L

2017

English medium

· Passed G.C.E. O/L

SKILLS

PROFESSIONAL

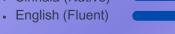
- Frontend: React.js, HTML, CSS, Flutter (Dart), Python, JS
- UI/UX Design: Figma
- · Backend & Databases: Firebase, MYSQL, Node. js,

PERSONAL

- · Leadership qualities
- Fast Learner
- Deadline-Oriented
- Team Collaboration

LANGUAGES

- · Sinhala (Native)



REFERENCE

Mr. Gayan Perera

Lecturer - Computer Science **NSBM Green University**

Email: gayan.perera@nsbm.ac.lk