

Lakindu Banneheka

Sri Lankan Citizen | lakindubannaheka@gmail.com | (+94) 70 150 9339

LinkedIn: <https://www.linkedin.com/in/lakindu-banneheka> | GitHub: <https://github.com/lakindu-banneheka>

Medium: <https://medium.com/@lakindubanneheka>

EDUCATION

University of Kelaniya

B.S.C (Hons) in Electronics and Computer Science

Kelaniya, Sri Lanka

Expected Graduation, Mar 2026

- o **Concentrations:** Electronics and Computer Science
- o **GPA:** 3.38/4.00
- o **Related Coursework:**
 - o **Computer Science:**
Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Database Management Systems, Data Communications and Networks, Web & Internet Technologies, Cyber Security & Forensics, Full-Stack Development, Mobile Application Development, Machine Learning, Intelligence Systems, Computer Graphics & Visualisation.
 - o **Electronics:**
Analogue Electronics, Digital Electronics, Electric Circuit Fundamentals, Signals & Systems, Microcontrollers & Embedded Systems, Communication Systems, Control Systems Design, Digital Signal Processing (DSP), Measurement & Instrumentation, Robotics & Automation, Product Design & Manufacturing.

EXPERIENCE

Donext,

Software Development Engineering trainee

Sri Lanka

Feb 2020 – May 2020

- Developed dynamic websites using the MERN stack (MongoDB, Express, React, Node.js), with Redux Toolkit and TypeScript.
- I learned about software project delivery, agile development, and problem-solving under tight deadlines.

PROJECTS

Project E-waste Inventory Management System - ([Live Demo](#))

Developer (Individual project)

University of Kelaniya, Sri Lanka

May 2024 – Nov 2024

- **Next.js, MongoDB, Shadcn UI**
- Implemented inventory tracking and e-waste categorization (e.g., capacitors, transistors) with flexible MongoDB schemas.
- Built RESTful API routes in Next.js (Node.js/Express) to enable secure CRUD operations and role-based access (Admin, Contributor) using NextAuth.
- Designed responsive dashboards using Shadcn UI and data-visualization components for real-time stock monitoring and insights.

POS system - Desktop Application

Developer (Individual project)

Client Project

Mar 2025 – Apr 2025

- **Next.js, Tailwindcss, Express.js, Axios, better-sqlite3, Electron (bundling)**
- Developed a full-stack POS system for a Sri Lankan retail client, enabling inventory management, invoice generation, and role-based access (manager/cashier) with localised usability compliance.
- Deployed as a lightweight Electron desktop app for offline use, prioritising performance and user experience.

Rent-Mate - ([Git](#))

Front End Developer (Group project)

Academic Project

Dec 2024 – Feb 2025

- **Next.js, Spring boot, Typescript, Auth0, Redux-toolkit, tailwind CSS, Shadcn**
- A peer-to-peer rental platform where users can list and rent items from each other.
- Built the front-end using Next.js, Auth0 for user authentication, Redux for state management, and Tailwind CSS with Shadcn components for styling.

Splitty App - Mobile App

Developer (Individual project)

Personal Project

Jan 2025 – Current

- **Firebase, TypeScript, Expo (React Native), Tailwind CSS, AsyncStorage**
- Person-to-person loan management with real-time balance tracking and automated payment reminders
- Developed the Expo React Native application with offline persistence and Firebase real-time synchronization

Portfolio website - ([Live Demo](#) | [Git](#))

Developer (Individual project)

Mar 2025

- **Next.js, Tailwind CSS, Framer Motion, React Icons**
- Designed and developed a modern, responsive portfolio with dynamic project showcases, interactive animations, and a contact form integrated for seamless visitor engagement.
- Deployed via Vercel with CI/CD pipelines for automatic updates, ensuring zero downtime maintenance.

ACTIVITIES AND LEADERSHIP

Project E-waste Club - UOK

Tech Lead (Computer Science)

University Of Kelaniya, Sri Lanka

Aug 2024 – Current

- Developed the e-waste inventory and management system for the club and university with the guidance of Dr J.A. Seneviratne. - <https://ewaste-web.vercel.app/>

AWS Cloud Club - UOK

Webmaster

University Of Kelaniya, Sri Lanka

Oct 2024 – Current

- Built and maintained the club's Next.js platform with 200+ active members, featuring automated event registration and AWS cloud resource tutorials with the team. - <https://www.aws-uok.com/>

Humane Society - UOK

Webmaster

University Of Kelaniya, Sri Lanka

Dec 2024 – Current

- Led a team of 3 developers to create society's Next.js website. - <https://humane-uok.vercel.app/>

UOK Robot Battles 2024

Tech Lead

University Of Kelaniya, Sri Lanka

Jul 2024 - Oct 2024

- Led a web-based project using React.js and Node.js, managing a team of 4-6 junior developers to design and implement a robust scoreboard system.
- Integrated and managed player brackets using Challonge.com, ensuring efficient tournament scheduling and real-time score tracking with the team.

ACHIEVEMENTS

AI-Bootcamp Series (AI Driven Sri Lanka)

Final 50 participants

IEEE Young Professionals, Sri Lanka

Dec 2023

- AI hackathon organized by AI-Driven Sri Lanka, an initiative by IEEE Young Professionals Sri Lanka.

UWU Robotic Death Race

participated

University Of Uwa, Sri Lanka

Jan 2024

- Developed and programmed the Arduino-based control system for an RC-operated combat robot, implementing custom movement routines and real-time response algorithms for the Robot.
- Collaborated on hardware design and electronics, selecting and assembling spare-part components, wiring sensor and actuator circuits, and troubleshooting power and signal integrity to ensure reliable performance under battle conditions.

SKILLS

Programming:

- Languages: *TypeScript, JavaScript, HTML/CSS, SQL, Java*
- Frameworks & Runtimes: *React.js, Next.js, Node/Express.js, Spring Boot, Expo, Arduino*

Tools:

- State Management & Data Fetching: *Redux Toolkit, Axios, WebSocket/Socket.io*
- UI & Animation: *Shadcn UI, Tailwind CSS, Framer Motion, React Icons*
- Databases & Storage: *MongoDB, better-sqlite3, MySQL*
- Platforms & DevOps: *VS Code, Android Studio, Git/GitHub, Docker, AWS, Vercel*
- Authentication & Services: *Auth0*

REFERENCES

Professor A.L.A.K. Ranaweera

Coordinator of B.Sc. (Honours) in Electronics and Computer Science degree programme,
Department of Physics and Electronics,
Faculty of Science,
University of Kelaniya.
Phone: +94777179201 | Email: arunaran@kln.ac.lk

Dr. B.M.T. Kumarika

Senior Lecturer,
Department of Statistics and Computer Science,
Faculty of Science,
University of Kelaniya.
Phone: +94112903373 | Email: thosini@klnaclk.onmicrosoft.com