

Asanka Madushan

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[🔗 Portfolio](#)

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Summary

Results-driven Full Stack Software Engineer with hands-on industry experience at BotCalm Private Limited. Specialized in cross-platform mobile development using Flutter and React Native, with strong expertise in frontend engineering, UI/UX design, and scalable backend development. Passionate about building high-performance applications and currently expanding knowledge in AI/ML and workflow automation using n8n.

Work Experience

Associate Mobile Software Engineer

Aug 2025 – Present

Botcalm Pvt Ltd

- Developed a blockchain-based cryptocurrency wallet and trading application using Flutter.
- Implemented scalable state management architecture using BLoC for predictable state transitions and maintainable code structure.
- Implemented stock trading functionality including order placement, asset tracking, and transaction execution.

Mobile Software Engineer Intern

March 2025 – Aug 2025

Botcalm Pvt Ltd

- Contributed to the development of a blockchain-based mobile application and an AI-driven mobile application using React Native.
- Implemented scalable state management using Redux to handle complex application states and asynchronous data flows.
- Built responsive and performance-optimized mobile interfaces following modern React Native architecture patterns.

Projects

Job Bank for Career Guidance Unit of UOR

Oct 2023 – Jan 2024

[Job Portal System](#) ↗

- Contributed to the third-year software project to develop the web application for the Career Guidance Unit of the University of Ruhuna by designing the prototypes using Figma, developing the frontend using React.js, CSS, and Material-UI, and working on some backend functionalities using Node.js.

Fuel Quota Management System

May 2024 – Nov 2024

[FuelManagementSystem](#) ↗

- Contributed for developing front-end of the website using React Js and developed front-end of the mobile app using React Native
- Developed user login and register back-end parts using Node Js for four type of users.

AI Virtual Keyboard

Jan 2024 – April 2024

[Virtual Keyboard](#) ↗

- Developed the character input recognition part by checking the distance between thumb and index finger (Euclidean Distance) less than a certain distance it may considered an input using python.

IoT Device Threat Detection System using Machine Learning

Jan 2024 – Nov 2024

[Anomaly Detection](#) ↗

- Developed anomaly detection model with autoencoder algorithm to detect anomalies in real time in a network flow.
- Created a machine learning model by training the CIC IoT 2023 dataset to detect seven IoT threats.
- Developed the frontend for the final-year project to display the trust value of connected devices in a network and implemented a position-changing feature based on the trust score using React Js.

Quick Hire Mobile App

Jan 2025 – Present

[Quick Hire](#) ↗

- Developing a mobile application using Flutter to connect users seeking the best candidates for tasks with workers searching for small job opportunities. Designed an intuitive user interface, implemented efficient task-posting and job-matching features, and ensured seamless cross-platform performance.

Money Mate Mobile App

June 2024 – Dec 2024

[Money Mate App](#) ↗

- Designed the UI/UX for the project in Figma and created the frontend of the project using React Native.

Education

University of Ruhuna

March 2020 – 2026

B. Sc. (Hons) Engineering Final Year Undergraduate

- Department of Electrical and Information Engineering, University of Ruhuna.

Skills

Programming Skills: Java, C++, C, Python, JavaScript

Database: MySQL, MongoDB

Frontend Frameworks: React, React Native, Flutter

Backend Frameworks: Node.js, Express.js

State Management: Redux, BloC, Cubit

Tools and Technologies: CSS, HTML, Bootstrap, Object-Oriented Programming (OOP)

Interpersonal Skills: Teamwork, Time Management, Critical Thinking, Video/Photo Editing

Extracurricular Activities

Teakwondo

Jan 2022 – Nov 2024

Green Junior Belt Holder

- Member of Faculty Teakwondo Team

Ref Media faculty of Engineering

Jan 2021 – Jan 2024

University of Ruhuna

- Committee Member

AIESEC

Jan 2021 – Jan 2023

University of Ruhuna

- IGT Team Member Winter Term 21.22 and OGT Team Member Summer Term 21.22

References

Mr. Isuru Pathirathne

Botcalm Pvt Ltd

Senior Mobile Software Engineer

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Mr. Malith Edirisinghe

Botcalm Pvt Ltd

Associate Mobile Software Engineer

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Declaration

I hereby attest that the above information is true and correct to the best of my knowledge.



Asanka Madushan