Asanka Madushan

✉ nnamadushan@gmail.com 📞 071 777 5812 🔗 Portfolio in Asanka Madushan ⌨ NnAsankaMadushan

Summary

Motivated and driven final-year Electrical and Information Engineering undergraduate specializing in Software Engineering at the University of Ruhuna. My primary focus is on web development and mobile app development, specializing in frontend development, UI/UX design, and backend development. With a growing passion for AI/ML, I have experience working on predictive modeling, anomaly detection, and integrating machine learning solutions into software applications. I am a knowledge seeker, eager to learn new concepts and continuously improve my skills to stay at the forefront of technology.

Work Experience

Software Engineer Intern   *Oct 2023 – Jan 2024*
Sri Lanka Ports Authority

- Developed the frontend using PHP and backend using Laravel of the Ship Berthing Schedule System Project.
- Worked as a tester in the Electronic Document Digitization System.

Part-Time Full Stack Developer   *April 2024 - Present*
Waverista

- Working as a full stack developer.
- Working as a React Native mobile app developer.

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 – Present*
B. Sc. (Hons) Engineering Final Year Undergraduate

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

Areas of Specialties

Development: Web Development, Mobile Development (Full Stack Development)

AI/ML: Machine Learning, Deep Learning

Skills

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

Database: MySQL, MongoDB

Frontend Frameworks: React, React Native, Flutter

Backend Frameworks: Node.js, Express.js

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
- ○ OGT Team Member Summer Term 21.22

References

Mr. B. Panduka Darshana
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Declaration

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

Asanka Madushan
09.02.2025