Asanka Madushan

Undergraduate B. Sc.(Hons) in Electrical and Information Engineering

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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, specializing in frontend development, UI/UX design and backend development. I am passionate about creating intuitive and visually appealing user interfaces. I am a knowledge seeker, eager to learn new concepts and continuously improve my skills.

WORK EXPERIENCE

Web Developer, Sri Lanka Ports Authority (Intern)   Oct 2023 - Jan 2024
- Developed the frontend and backend using PHP of the Ship Berthing Schedule System Project.
- Worked as a tester in the Electronic Documents Digitization System.

Frontend Developer, Waverista   April 2024 - Present
- Working as a frontend developer at Waverista company, which is a startup company.

PROJECTS

Job Bank for Career Guidance Unit of UOR   Jan 2023 - Aug 2023
- 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 and developed the frontend of the project using React Js, CSS, Material UI.

Money Mate Mobile App   June 2024 - Present
- Developing a money transferring mobile app for a client.
- Designed the UI/UX for the project in Figma.
- Created the frontend of the project using React Native.

Website for a Restaurant   July 2024 - Present
- MERN Stack Project.
- Developing the UI/UX for the project in Figma.
- Developed the frontend of the project using React.

AI Virtual Keyboard   Jan 2024 - April 2024
- Contributed for developing a virtual keyboard for final year first semester Image Processing module project.
- 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.

Job Recruitment Management System   Jan 2022 - April 2022
- Contributed to a group project to develop a system which provides job seekers to search and apply for jobs by themselves easily and, companies can update the job vacancies and details about the job using C++ and data structure concepts.

IoT Device Threat Detection System using Machine Learning   Jan 2024 - Present
- Created a machine learning model by training the CIC IoT 2023 dataset to detect seven IoT threats which is a part of the final year project.

PROJECTS

Two-Way Person Counter with Automatic Light and Fan Controller   **Jan 2023 - April 2023**
- Contributed by designing the circuits using Proteus software and simulated it before starting the implementation.

9th Order Butterworth Low Pass Filter Design and BJT Amplifier Design   **Aug 2022 - Dec 2022**
- Designed and implemented a 9th order low-pass Butterworth filter for signal processing applications.
- Designed the circuits using Proteus software and implemented the PCB layout.

EDUCATION

B. Sc. (Hons) Engineering Final Year Undergraduate   **March 2020 - Present**
- Department of Electrical and Information Engineering, University of Ruhuna.

AREAS OF SPECIALTIES

- Web Development
- Machine Learning
- Electronic Circuit Design

SKILLS

Programming Skills
- C, C++, Python
- React js, React Native

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

Database
- MySQL
- MongoDB

Interpersonal Skills
- Teamwork
- Time Management
- Critical Thinking
- Video/Photo Editing

EXTRACURRICULAR ACTIVITIES

- **REF Media University of Ruhuna**
  Committee Member

- **Taekwondo**
  Green Junior Belt Holder

- **Xbotix Competition**
  Organizing Committee

- **IGT Team Member Winter Term 21.22**
  AIESEC in University of Ruhuna

  OGT Team Member Summer Term 21.22,
  Winter Term 22.23

REFERENCES

Mr. B. Panduka Darshana
Sri Lanka Ports Authority
Information System Division

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Dr. Thilina Weerasinghe
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Senior Lecturer

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DECLARATION

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

Asanka Madushan
17.07.2024