

IMASHA NAWODI

Computer Engineering (Undergraduate)

Dept. of Electrical and Information Engineering,

Faculty of Engineering,

University of Ruhuna



0701362783/0764188763



imashanaw1999@gmail.com



www.linkedin.com/in/imasha-nawodi-19a31b212



<https://github.com/ImashaNawodi>



No.59, Uthumgama, Matugama



imasha-nawodi.vercel.app

SUMMARY

I am a third-year Computer Engineering student looking for a **Software Engineering Intern position**. I have practical experience in both front-end and back-end development. I've worked on several projects, demonstrating my ability to create secure, responsive, and user-friendly applications. I'm enthusiastic about using my skills and passion for software development in a dynamic and innovative setting. I'm committed to continuous learning and always stay updated with the latest advancements in the field.

EDUCATION

B.Sc.Eng.(Hons) in Computer Engineering (Undergraduate)

(2021 - 2025)

Department of Electrical and Information Engineering

University of Ruhuna

GCE Advanced Level Examination

Ananda Sastralaya, Matugama

Combined Maths A | Physics B | Chemistry A

PROJECT

1. Motor Services and Wash Web Application

I developed a web application to simplify booking motor services and washes. It features admin and customer roles. The frontend uses React.js and Tailwind CSS, and the backend uses Node.js, Express.js, and MongoDB. I also used Postman for API testing and followed the MVC architecture.

2. Procurement Management System (Group)

Ongoing

We are developing a system to streamline procurement processes for the Faculty of Engineering, University of Ruhuna. It uses React.js and Tailwind CSS for the frontend, Node.js, Express.js, and MongoDB for the backend, with additional tools like Nodemailer and Postman, following the MVC architecture.

Role - Frontend & Backend developer

3. Home Appliances Energy prediction using machine learning model (Group)

We trained two machine learning models to predict appliance energy usage using Python for EDA, machine learning, and data visualization. Specifically, we employed linear regression and random forest regression algorithms for this task.

4. Mobile Application for buying and selling (Group)

We developed a mobile app to facilitate buying and selling pre-owned items, promoting sustainability. The frontend uses Flutter, the backend uses Dart, and Firebase is used for the database and authentication.

5. File Sharing System (Group)

We developed a Client-Server File Transfer System using Java for network file sharing. The client uses Swing for the interface, and the server manages file reception, storage, and previewing. It uses socket programming for communication and streams for file transfer.

6. Café Management System

I developed a Cafe Management System using Angular, Node.js, and MySQL to streamline cafe operations, including order management and inventory tracking, to enhance operational efficiency and customer service.

7. Pdf Management system

A MERN stack application for securely uploading, managing, and authenticating PDF files. It includes user authentication, file upload with validation, and basic management features like viewing and downloading files. The system provides a user-friendly interface and responsive design for efficient document handling.

SKILLS

Programming languages -Java, JavaScript, Html, CSS

Frontend - React JS, Angular

Stacks - MERN

UI/UX design - Figma

Databases - MySQL, MongoDB

Version controlling - Git, Github

Soft skills - Communication, Collaboration, Problem Solving, Adaptability

CERTIFICATIONS AND ACHEIVEMENTS

Web Design for Beginners (CODL, University of Moratuwa)

Certificate Course in Microsoft Office (University of Kelaniya)

Agile Project Management in ICT Projects (CODL, University of Moratuwa)

The Certificate Course in English Language (University of Colombo)

Python Advanced MIHA Institute)

REFERENCES

Dr. Rajitha Udawalpola,
Head,Senior Lecturer,
Department of Electrical and Information Engineering,
Faculty of Engineering,
University of Ruhuna,
Sri Lanka.
E-mail: rajitha@eie.ruh.ac.lk

Dr. Kushan Sudheera,
Senior Lecturer,
Department of Electrical and Information Engineering,
Faculty of Engineering,
University of Ruhuna,
Sri Lanka.
E-mail: kushan@eie.ruh.ac.lk