

Imasha Nawodi

B.Sc. (Hons) in Computer Engineering

UNIVERSITY OF RUHUNA

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SUMMARY

I am a third-year Computer Engineering student at the University of Ruhuna, currently seeking a **Software Engineering Intern Position**. With hands-on experience in both front-end and back-end development, I specialize in technologies like the MERN stack. I have worked on various projects, including a Motor Services and Wash web application, which showcases my ability to build secure, responsive, and user-friendly applications. I am eager to leverage my skills and passion for software development in a dynamic and innovative environment. Committed to continuous learning, I stay updated with the latest advancements in the field.

TECHNICAL SKILLS

Languages	– Java, JavaScript
Web Development & Frameworks	– React, Nodejs(express), Html, CSS, JavaScript, Angular
Database	– MongoDB, MySQL, Firebase
Tools	– Postman, Visual Studio IDE ,Visual Code IDE, Android Studio
Version Control	– Git, GitHub
Project Management	– Jira, Agile
Familiar with	– MVC architecture, Linux

PROJECTS

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.

Git Url : https://github.com/ImashaNawodi/motor_service_and_wash_website_develop

Preview Url: https://drive.google.com/file/d/1opyy4G-ifTp5pOwIhWKKADbJkp-Kg56O/view?usp=drive_link

2. Procurement Management System - Group Project (Ongoing)(Role : Backend & Frontend Developer)

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.

Git Url : <https://github.com/Piumikavindya/Procurement-Management-System>

Preview Url : https://drive.google.com/file/d/1_S6KPE7VlnIIQbPs_SC-aXpDwOZ4cHvL/view?usp=drive_link

3. Home Appliances Energy prediction using machine learning model - Group Project

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.

Git Url : https://github.com/ImashaNawodi/ML-Appliances-energy-prediction_4021_4034

Preview Url: https://drive.google.com/file/d/1MefuQOzw4y4RFI2E5d6MF3mb_P6lzMUy/view?usp=drive_link

4. Mobile Application for buying and selling - Group Project

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.

Git Url : https://github.com/ImashaNawodi/reusemart_app

Preview Url: https://drive.google.com/file/d/1VtdU5gnnYrM3Iv1VJbS72Fi9DNAQOyK0/view?usp=drive_link

5. File Sharing System - Group Project

I 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.

Git Url : https://github.com/ImashaNawodi/File_Sharing_System_4021_4030_4034.git,

Preview Url: https://drive.google.com/file/d/1_MXefuh2hDWO5drgsUCD6hUwaMLrjFbK/view?usp=drive_link

6. Café Management System(Ongoing)

I am developing 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.

Git Url : https://github.com/ImashaNawodi/cafe_management_system.git

7. Portfolio Website (Ongoing)

I am currently developing a responsive portfolio website using Next.js and Tailwind CSS. This site will feature project showcases, skills, and a downloadable CV section to highlight my educational background, professional experience, and technical expertise.

Git Url : <https://github.com/ImashaNawodi/portfolio-website.git>

EDUCATIONAL QUALIFICATIONS

University of Ruhuna (2021-Present)

Faculty of Engineering

B.Sc. (Hons) in Computer Engineering

Ananda Sastralaya, Mathugama

2019 GCE A/L (District Rank -45)

British Way English Academy

LICENCE AND CERTIFICATIONS

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)

Python Advanced(MIHA Institute)

The Certificate Course in English Language, University of Colombo

EXTRA-CURRICULAR ACTIVITIES

Volunteer to conduct "Mehewara" seminar for ordinary level students

MEMBERSHIP

The Institute of Engineering Sri Lanka (IESL)

The Institute of Electrical and Electronics Engineers (IEEE - 99231447)

REFERNCES

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