My Portfolio Link –
https://linalimadhumini.netlify.app/

OBJECTIVE

Motivated and dedicated undergraduate in Software Engineering with a good foundation in programming, problem-solving, and software development principles. Eager to apply academic knowledge and technical skills in practical environments, while continuously learning and contributing to innovative projects.

CONTACT

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- S23010147@ousl.lk
- (+94) 75-5852082
- 73, Wewala, Horana

G.D. LINALI MADHUMINI

SOFTWARE ENGINEERING INTERN

I specialize in designing, developing, and maintaining software systems. I strengthen on problem-solving, continuously learning new technologies, and ensuring the quality and performance of the software I create. Passionate about innovation, I aim to deliver robust solutions that enhance user experience and meet business needs.

Technical Skills

- Programming Languages - Java, Python, Java ,Php
- Web Technologies - HTML5, CSS, JavaScript, MySQL, MERN Basics (MongoDB | ExpressJs | React | NodeJs)
- Tools & Platforms - VS Code, Postman, Figma
- Framework – CodeIgniter, Pandas
- Concepts – OOP, Basic data structure, SDLC
- Machine Learning, AI & Data Science

ACADEMIC PROJECTS

SMART O/L ICT GAMIFIED LEARNING PLATFORM
(UNIVERSITY GROUP PROJECT)
August 2025 -Ongoing

Designed a gamified platform for students who are studying for O/L ICT with quizzes, leaderboards and progress tracking. Implemented user roles , MCQ quizzes and interactive lessons. This project made for motivate O/L ICT students.

INTELLIGENT TRAFFIC SIGNAL CONTROL SYSTEM (stimulation)
(UNIVERSITY PROJECT)
JUNE 2025

This project is done using Python. Modeled intersections and adaptive traffic light control using custom data structures. I also applied graph algorithms for vehicle routing and prioritization.

Bachelor of Engineering in Software Engineering (Ongoing)
[Open University], [Nawala]
[2023/24] – Present

D-tec (Information & Communication Technology Course) program at SLTCA –
[Zeon Opera], [Horana]
Year: [2023]

G.C.E Advanced Level (A/L) – Mathematics Stream
[Sripalee College], [Horana]
Year: [2020/21]
Result: [S|S|F]

G.C.E Advanced Level (A/L) – Engineering Technology Stream
[Private]
Year: [2022/23]
Result: [C|C|C]

G.C.E Ordinary Level (O/L) –
[Sripalee College], [Horana]
Year: [2017]
Result: [8A|C-Tamil]

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ONLINE PERMIT APPROVAL SYSTEM -ePermit
(UNIVERSITY PROJECT)
June 2025

This project is a developed web-based system to simplify the permit approval process under the domain of Politics and Governance. I made the complete SRS document which include use case diagrams, functional & non-functional requirements and UI mockups.

BANK ACCOUNT MANAGEMENT SYSTEM -Python command-line app
(UNIVERSITY PROJECT)
June 2024

This project contains the analysis and a Python command-line App that simulates a basic bank account management system. It provides a simple text-based menu for users to interact with the system. This command-line application built with Python simulates a basic bank account management system.

MINDFUL UX DESIGN-GN QuickCheck
(UNIVERSITY GROUP PROJECT)
October 2025

This project is a A Mindful Digital Platform for Checking Grama Niladhari Availability and Required Documentation. In this project we designed a digital platform prototype to check Grama Niladhari availability and also conducted UX research and collaborated with team members to improve usability.

HOSPITAL MANAGEMENT SYSTEM -DBMS Mini Project
(UNIVERSITY PROJECT)
December 2025

This project designed and implemented a relational database system using SQL, including schema design, data insertion, and querying. Also it used XML for structured data storage and applied data modeling principles to ensure data integrity and efficient management.

EXTRACURICULAR ACTIVITIES

DIPLOMA COURSE IN COMPUTER SCIENCE BY SLTCA
Feb 2023 – August 2023

ENGLISH COURSE BY UNIVERSITY OF COLOMBO
(SRIPALEE CAMPUS)
JUNE 2023 – Nov 2023

E-TECH PRACTICALS AT DISTRICT VOCATIONAL TRAINING OFFICE HORANA
Jan 2024 – Feb 2024

QA AUTOMATION WORKSHOP BY VIRTUSA
11th JUNE 2025

FULL STACK BOOTCAMP (REACT + MOCK API)
13th Sep 2025

SOFT SKILLS

- **Teamwork** - Ability to partner well cross functionally and build strong relationships.

- **Strong Work Ethic** - Consistently meets deadlines and maintains high-quality standards.

- **Adaptability** - A Quickly adjusts to new tools, technologies, and environments.

- **Attention to Detail** - Ensures accuracy and consistency in tasks and deliverables

- **Creativity**- Ability to generate innovative ideas and solutions. and Advanced Excel, and MS Word knowledge.

CERTIFICATES

- Certificate course in English – University of Colombo – 2023
- Online Certificate course in Graphic Design – SLTCA – 2022
- Diploma course in Computer Science – SLTCA – 2023
- Certificate of achievement in Multimedia & Social media Handling training course – SLTCA – 2023
- Intro to machine learning – Kaggle - 2025