



G.D. LINALI MADHUMINI

SOFTWARE ENGINEER

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.

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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- 73, Wewala, Horana

ACADEMIC PROJECTS

ECO-FRIENDLY INTERACTIVE PLATFORM -Green Nature (UNIVERSITY PROJECT)

June 2024

This project aims to create an interactive platform that educates users on eco-friendly practices, with practical knowledge and actionable steps toward a more sustainable lifestyle. I used HTML, CSS, JavaScript, and VueJs framework to improve the look and feel of the website.

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.

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.

SMART O/L ICT GAMIFIED LEARNING PLATFORM
(UNIVERSITY 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.

EDUCATION

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

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

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

G.C.E Ordinary Level (O/L) –
[Sripalee College], [Horana]
Year: [2017]



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EXTRACURRICULAR 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

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