



# 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.

## 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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## 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.

## 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

11<sup>th</sup> JUNE 2025

### FULL STACK BOOTCAMP (REACT + MOCK API)

13<sup>th</sup> 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