

## Contact

0773343699 (Mobile)  
madukageganage@gmail.com

www.linkedin.com/in/maduka-  
malruk (LinkedIn)  
github.com/madukamalruk  
(Portfolio)

## Top Skills

Embedded C++  
Arduino Programming  
Robotics

## Languages

Sinhalese (Native or Bilingual)  
English (Professional Working)

## Certifications

HackerRank Profile  
Github Profile

# Maduka Malruk

2nd Year BSc (Hons) Electrical Engineering Student | Active EESoC Member | SolidWorks · MATLAB · Arduino · Micromouse Project  
Matara District, Southern Province, Sri Lanka

## Summary

• 2nd Year Undergraduate Electrical Engineering student at University of Moratuwa (2025–2029). Skilled with SolidWorks, MATLAB and Arduino; experienced in robotics and embedded systems (micromouse). • Explore my engineering projects and coding work: GitHub: [github.com/madukamalruk](https://github.com/madukamalruk)

---

## Experience

Electrical Engineering Society - EESoc  
Active Member  
September 2025 - Present (10 months)  
Western Province, Sri Lanka

Department of Electrical Engineering, University of Moratuwa  
1 year 6 months

Undergraduate Student  
January 2025 - Present (1 year 6 months)  
Sri Lanka

- Pursuing BSc (Hons) in Electrical Engineering with coursework in circuits, signals, control systems, power systems and embedded systems.
- Hands-on coursework involving MATLAB simulations, SolidWorks CAD modelling and Arduino-based prototyping
- Collaborated with peers on multi-disciplinary projects and laboratory experiments; documented results and presented in term reports.

Micromouse Project — Team Member / Developer (Competition)  
August 2025 - November 2025 (4 months)  
Moratuwa, Western Province, Sri Lanka

- Designed mechanical chassis and optimized wheel placement in SolidWorks.
- Implemented microcontroller firmware for motor control and maze-navigation logic using PID and sensor-based localization.
- Performed iterative testing, tuning of algorithms and recorded results; prepared code and documentation for GitHub and media for event posts.

- GitHub: [github.com/madukamalruk/uom-maze-solver-2025](https://github.com/madukamalruk/uom-maze-solver-2025)

---

## Education

University of Moratuwa

Bachelor's degree, Engineering · (January 2025 - 2029)

British Way English Academy

Spoken English Program, English Language · (August 2024 - November 2024)

Southern Province English & IT Training Academy

Diploma in English, English Language · (February 2024 - November 2024)

Rajapaksa College, Sri Lanka

GCE Ordinary Level & Advanced Level, Physical Science Stream · (March 2014 - February 2024)

Lumbini Primary School

· (2009 - 2013)