

# Dilmin Siriwardana

## OBJECTIVE

Passionate Mechatronics Engineering undergraduate with hands-on experience in various programming languages, CAD design, and PCB development. Specializing in innovative engineering solutions across multiple industries with current focus on Machine Learning/AI applications. Proven track record in team collaboration and project management. Demonstrated leadership abilities through executive roles in student organizations and strong commitment to continuous learning and professional development.

## REFERENCES

Available upon request.

## ADDRESS

90/2 Minuwampitiya Rd,  
Walana, Panadura

## PHONE

077 011 4515

## EMAIL

dilmints@gmail.com

## WEBSITE

<https://dilmins.github.io/>

## LINKEDLN

<https://www.linkedin.com/in/dilmin-siriwardana>

## EXPERIENCE

OCT 2024 - MAR 2025

Research And Development Intern Engineer | C3 Labs Pvt Ltd | Colombo 04

- Collaborated closely with the IT Department to implement E-paper devices integrated with cloud connectivity, while also exploring additional use cases for the technology.
- Assisted plant operators from other companies in setting up the devices sent to them, providing troubleshooting support to resolve issues during installation.
- Mentored and guided interns by sharing my work, helping them navigate complex scenarios that they could not resolve on their own.
- Gained valuable insights from senior engineers on optimizing component selection, particularly for PCBs to ensure higher quality and efficiency in designing PCB boards.

JUN 2021- NOV 2021

Engineering Intern| Vidullanka PLC | Colombo 03

- Collaborated with the Engineering Department to implement IoT-based level monitoring units across 9 hydro power plants, using ultrasonic and sensor-based solar-powered units at forebays and spillways.
- Gained hands-on experience with flow measurement using automatic gauge units and learned to identify critical operational aspects of each hydro plant.
- Supported the HR Department during the COVID period by managing documents, conducting online training sessions for remote staff to enhance MS Office skills, and helping implement Japanese techniques such as 5S, 3R, and KAIZEN.
- Observed and learned how meetings are conducted to track progress, monitor work performance, and guide staff toward achieving organizational goals.
- Participated in organizing employee engagement events such as award ceremonies, cricket tournaments, indoor sports competitions, and family trips to strengthen motivation and team spirit.

## EDUCATION

Bachelor of Mechatronic Engineering (Reading)

General Sir John Kotelawala Defence University

Certificate in Automation (PLC)

Sri Lanka Institute of Robotics - 2024

Diploma in Office Applications

IDM Achievers (Gold Award Winner - 2022)

Cambridge A/Levels & O/Levels

Lyceum International School Panadura

## OTHER SKILLS

- Team Work
- Problem-Solving & Critical Thinking
- Time Management & Multitasking
- Adaptability & Quick Learning
- Communication Skills
- Familiarity with 4DX (The 4 Disciplines of Execution)

## TECHNICAL SKILLS

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**Programming Languages:** Python, C++, PLC Ladder Programming

**Design & CAD:** Mechanical Drawings, PCB Designing

**Software & Tools:** Altium Designer, Key Cad, MATLAB, Arduino, Fritzing, MS Office, SIMATIC Manager, TIA Portal, Step-7 Micro WIN, VS Code

**Specialized Areas:** Embedded Systems and IoT Backend Programming , AI/Machine Learning/Deep Learning, Automation,

## KEY PROJECTS

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- Machine Learning based Brain-Controlled Exoskeleton for Assisting Hand-Impaired Individuals using EEG Signals (Final Year Research Project)
- Designing of a PCB Power Triggering Circuit using NFC Method
- Programming of QR Code Scanning Device for Transactions
- Programming of Air Quality Monitoring (AQM) Devices
- ML based Surveillance Robot Car
- Automated Cocktail Machine
- Wall Following Robot
- Elevator Control Using PLC