



# RAVINDU MADUSHAN

Student at University Of Colombo

## CONTACT

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- [Ravindu Madushan](#)

## PERSONAL INFORMATION

Name in Full  
Surasighe Wijerathnalage  
Ravindu Madushan  
Date of Birth : 15/10/2001  
Age : 23 Years  
Gender : Male

## SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Critical Thinking

## LANGUAGES

- Sinhala
- English



## PROFILE

I am a results-driven undergraduate specializing in Instrumentation and Automation Engineering, with practical expertise in embedded systems, IoT, and real-time data acquisition. Passionate about process optimization and efficiency, I excel in dynamic, collaborative environments, applying my technical skills to deliver innovative, impactful solutions to complex challenges.



## EDUCATION

**Bachelor of Engineering Technology Honours in Instrumentation and Automation** 2022 - Present  
Faculty of Technology | University of Colombo

**G.C.E (Advanced Level) - 2020** 2020  
Kirindiwela Central College - Kirindiwela  
Passed with 1A and 2B's

**Web Development Program** 08/2022 - 02/2023  
Institute of Information Technology | SLIIT  
[Check the Certificate Click Here](#)



## TECHNICAL SKILLS

### Technical Skill

Embedded Programing Languages

- C / C++ Programing
- Basic Python Programing
- Arduino programming

### Softwares

- Solidworks
- Atmel Studio
- Visual Studio Code
- Simule IDE
- Octave
- Microsoft Office Packages

# INVOLVEMENTS

## Volunteer

- Worked As a Member of the Live Broadcasting Team of the Official Media Unit of the faculty (Techno Media) in the 7th Annual Research Symposium of the Faculty of Technology, University of Colombo (2023)
- Worked As the Member of the Live Broadcasting Team of Official Media Unit of the faculty (Techno Media) in "Swarabhisheka" Interfaculty Music Instruments Competition organized by Arts Council, University Of Colombo (2024)

## University

- **Sound Department Head** - Techno Media (The Official Media Grid of Faculty of Technology , University of Colombo)

## School

- **Junior Prefect 2015/2016** - Kirindiwela Central College , Kirindiwela



# ACADEMIC RELATED

## Projects

- **Automatic Whiteboard Cleaner**  
Created a Automated Whiteboard Cleaner for erase Whiteboard Automatically using Metal Sensor, IC's, and Motors
- **Microcontroller-based temperature monitoring system**  
Created Basic Temperature Monitor with Alarm and Display Modes using ATMEGA 328p As Second Year Mini Project
- **6 D.O.F Industrial Robotic arm Manipulator (Ongoing)**  
Developing a 6-DOF industrial robotic arm manipulator focused on high-precision automation. This project involves designing and programming joint control systems to enhance flexibility and accuracy for complex tasks, integrating advanced kinematics, and ensuring adaptability for various industrial applications.



# REFERENCE