

PAWARA GAMAGE

UNDERGRADUATE



Contact



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About Me

I am interested in electronics and enjoy learning new things on my own. I like to explore technology, solve problems, and improve my skills through self-learning and hands-on projects

Team Involvement

- Volunteer
Protected House Automation System Project
Siddhartha College, Weligama
- Batch Representative
Techno Bots Club
University of Ruhuna
- Logistics Team Member
EconBridge
University of Ruhuna



Education

- Bachelor of Engineering Technology Honors**
University of Ruhuna 2022- Present
I'm currently pursuing a 4-year Bachelor of Engineering Technology Honors degree, covering electronics, electrical, robotics, mechatronics, and more. I have a GPA of 3.24 and a strong interest in hands-on technical problem-solving.



Projects

- Eco Bot – AI-Driven Autonomous Greenhouse Robot**
Showcased at RICIT 2024 – Ruhuna International Conference on Innovation and Technology
Built an AI robot for greenhouse plant care using computer vision and sensors to monitor health and suggest automated actions.
- Automated Vertical Hydroponic Tower for Lettuce Planting**
Showcased at RICIT 2024 – Ruhuna International Conference on Innovation and Technology
Built an automated vertical hydroponic system for lettuce using grow lights and sensors to optimize growth for hobby and industrial use.
- Automated Greenhouse System**
Ongoing Project at Faculty of Agriculture
Developing an ESP32-based automated greenhouse with local server, wireless sensors, and actuator control for smart plant care and environment management.
- Weather Monitoring App**
Completed as part of the Object-Oriented Programming course
Developed a Weather Monitoring Application using C++ and Qt Creator, integrating real-time weather data and historical tracking for various locations in Sri Lanka.



Work Experience

- TV Repair Technician**
OLVO Techniques Feb 2021– July 2021
Handled troubleshooting and repairs of various television units, focusing on backlight and power systems.
 - Repaired over 20+ TV backlight units
 - Diagnosed and fixed 10+ power supply boards
 - Performed minor component-level repairs (capacitors, ICs, connectors)Tools & Technology Used:
Multimeter, Backlight Tester, Soldering Iron, Oscilloscope



References

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