

SAHAYANATHAN RENOLSON

Electrical And Electronic Engineer(UG)
B.Sc. Eng.(Hons)(Reading)



About Me

I am an electronics and automation enthusiast with hands-on experience in embedded systems, industrial control, and IoT. My current focus is on integrating AI/ML into automation projects—exploring predictive maintenance, computer vision, and smart control algorithms. Skilled in microcontroller programming (Arduino, ESP32), PLCs, and Python for automation, I thrive at the intersection of hardware and intelligent software. Always learning, I'm passionate about bridging traditional electronics with cutting-edge AI to build smarter, more adaptive systems.

Skills:

Programming: Python (Automation, Data), C++ (Embedded), MATLAB/Simulink (Modeling)

CAD & Design: SolidWorks, AutoCAD (2D/3D)

Automation: PLCs, Sensor Integration, Industrial Control

Adaptability: Quick learner of new tools & technologies (AI/ML interest)

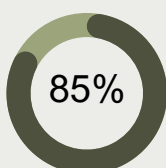
Education:

Engineering Undergraduate
B.Sc. Eng.(Hons)(reading)

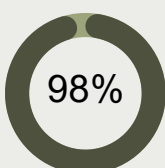
Dept of Electrical and Telecommunication Engineering
South Eastern University of Sri Lanka
(2022 - 2027)

Language:

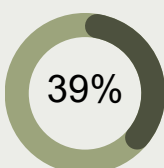
English



Tamil



Sinhala



Professional Experience:

SLT Digital Lab- Sri Lanka Telecom
Research And Development Section

Electrical & Electronic Engineer Trainee
(From June 2024 to September 2024)

Projects

PILL PAL- AUTOMATED PILL DISPENSER

Mini Project - IoT Automation

JR-25 REAL TIME PROCESSING ROBOT

VIDEO & VOICE MODEL AI - ROBOTIC PROJECT
DEVELOPING - ON PROCESS

Ai Project

Mini Project
DEVELOPING - ON PROCESS

REFERENCE

Dr W.G.C.W Kumara

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