

# 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)

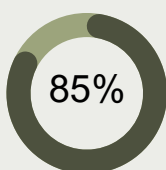
## Education:

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

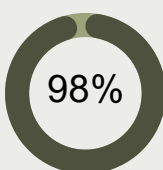
Dept of Electrical and Telecommunication Engineering  
South Eastern University of Sri Lanka  
(2022 - 2027)

## Language:

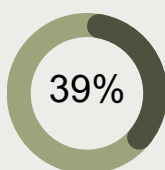
English



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

**SMART AGRO PROJECT**

Water irrigation system - On My Internship

**JR-25 REAL TIME PROCESSING ROBOT**

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

## REFERENCE

Dr W.G.C.W Kumara

Head of The Department

Dept of Electrical & Telecommunication Engineering

Faculty of Engineering, South Eastern University of Sri Lanka

Email : itcgc.eng@seu.ac.lk

Phone : +94716425358

+94 71-2487 550

renolson0302@gmail.com

linkedin.com/in/renolson-s-100031119

https://renolson.github.io/