

KOWSIKA S

INDUSTRIAL AUTOMATION ENGINEER

North Street, Sadayampattu, Kallakurichi | kkowsika973@gmail.com | 8946086018

CAREER OBJECTIVE

Self-motivated Electrical & Electronics Engineering student specializing in Industrial Automation. Proficient in PLC programming (WPL, OMRON, ISP), HMI design, and electrical control systems. Seeking an entry-level position to apply academic knowledge and hands-on project experience to deliver innovative automation solutions and contribute to organizational growth.

EDUCATION

B.E EEE	Maha Barathi Engineering College Kallakurichi	2021 - 2025	CGPA:8.00
HSC	GHSS Somandarkudi Kallakurichi	2020 - 2021	80%
SSLC	GHSS Somandarkudi Kallakurichi	2018 - 2019	70%

SKILLS

- Automation & Programming :** PLC Programming for Delta (ISP,WPL)| Omron (CX Programming).
- Software:** WPL|OMRON|ISP|HMI.
- Core Competencies :** Creative Thinking| Public Speaking|Team Leadership|Probelm Solving.

PROJECTS

PLC-Based Automation Projects:

- Temperature-Controlled Fan System (Delta ISP):** Designed and implemented a temperature-based fan control using zone comparators for dynamic fan operation based on temperature ranges.
- Automatic Door Control (Omron CX, Allen Bradley RS Logix 1000, HMI):** Developed an IR sensor based door automation system with position limit switches and timed delay for automatic closing.
- Feeder–Grinder–Conveyor Sequential Control (Allen Bradley RS Logix 1000):** Programmed a PLC based sequential control system ensuring timed activation and safe shutdown of equipment.
- Automatic/Manual Water Tank Control (Mitsubishi GX Works 3, Omron CX):** Designed dual-mode PLC system for water level management using level sensors and manual overrides.

HMI-based Automation Project:

- Automatic Door Control:** Developed an HMI-based automatic door system using an IR sensor for detection, limit switches for position monitoring, and a timed delay for automated closing and reset.

ACADEMIC EXPERIENCE

- Developed and tested ladder logic programs using Omron PLCs.
- Configured HMI interfaces for industrial process visualization.
- Simulated automation lines using WPL software.

CERTIFICATION :

- PUMO TECHNOVATION:** PLC programming for (Delta, Omron), HMI programming.

LANGUAGES KNOWN

- TAMIL
- ENGLISH