K.L VENKADESH

shrivenkadesh@gmail.com 9790039671 Nagercoil

OBJECTIVE

Electrical and Electronics Engineering professional with a Diploma and B.E. background, hands-on skills in Mitsubishi PLC (GX Works3), VFDs, sensors, and relays, and prior technician experience at Saint-Gobain. Seeking an entry-level role in industrial automation or electrical maintenance.

EDUCATION

B.E Electrical and Electronics Engineering 2023 – 2026
Loyola Institute of Technology and Science | CGPA -7.0

Diploma in Electrical and Electronics Engineering, *N.M.S. Kamaraj Polytechnic College, Pazhavizhai* | *90 %* 2020 – 2022

EXPERIENCE

Industrial Automation Trainee -Elevate School of Engineering 06/2026 – 07/2026
Industrial Automation**:** Hands-on experience with Relays, Sensors, VFDs, and Mitsubishi PLC systems. Nagercoil
PLC Programming**:** Basic PLC programming and control using Mitsubishi GX Works3.

Technician Apprentice-Saint-Gobain India Private Limited, *World Glass Complex* 2022 – 2023
Monitored equipment parameters during production and reported abnormalities to the shift team Chennai
Assisted in routine maintenance and troubleshooting of electrical equipment, motors, and control panels in a glass manufacturing plant

PROJECTS

Multilayer Solar cell using natural dye, *Final Year Project* | *Electrical and Electronics Engineering*

- Designed and fabricated a **Dye-Sensitized Solar Cell (DSSC)** using natural dyes and **TiO_2-coated FTO glass** to develop a sustainable and low-cost photovoltaic system.
- Implemented a **multilayer dye sensitization technique** to improve light absorption and enhance voltage and current output compared to conventional single-dye systems.
- Performed fabrication, electrical testing, and performance analysis by measuring **open-circuit voltage (Voc)** and **short-circuit current (Isc)** under sunlight exposure

SKILLS

- **PLC & Automation**: Mitsubishi PLC, GX Works3, VFD, Relays, Sensors
- **Design**: Revit MEP (HVAC), Basic AutoCAD
- **Tools**: MATLAB, Microsoft Office
- **Soft skills**: Teamwork, Collaboration

INTERESTS

Automation
Team sports