

ARUN KUMAR

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West Tambaram, Chennai, Tamil Nadu 600045

PROFESSIONAL SUMMARY

5+ years of experience in industrial automation, electrical maintenance, and manufacturing operations. Skilled in Siemens PLC programming, control panel wiring, equipment troubleshooting, and preventive maintenance. Proven ability to reduce downtime, improve production yield, and support automation initiatives in automotive and electronics manufacturing environments.

CORE COMPETENCIES

PLC & Automation: Siemens TIA Portal programming, HMI setup, PLC diagnostics

Electrical Maintenance: Motors, VFDs, sensors, relays, panel wiring, power fault finding

Industrial Systems: Hydraulics, pneumatics, Arm robotics support, test instruments

Process Improvement: Root cause analysis, SPC, Kaizen, ECN, SOP documentation

PROFESSIONAL EXPERIENCE

Maintenance Engineer – Caterpillar (upspl) | Chennai | Jun 2025 – Present

- Performed preventive and breakdown maintenance on PLC-controlled machines.
- Diagnosed faults in motors, VFD drives, sensors, and electrical control circuits.
- Supported PLC troubleshooting and minor program changes using Siemens TIA Portal.
- Reduced equipment downtime through systematic root cause analysis.
- Maintained maintenance logs, spare inventory, performance records, MTBF, MTTR, MTTF and RCCA
- Implemented Kaizen improvements to enhance safety and productivity.

Manufacturing Engineer – JBM Auto Ltd. | Chennai | Mar 2024 – Apr 2025

- Installed and commissioned prototype fixtures and automation setups.
- Troubleshoot robots, control panels, wiring systems, and power circuits.
- Supported PLC-based equipment during trials and production ramp-up.
- Implemented Engineering Change Notices and updated process documentation.
- Monitored KPIs to improve efficiency and reduce defects.

Process Development – Foxconn Hon Hai Technology India Mega Development Pvt. Ltd. | Chennai | Jul 2021 – Dec 2023

- Analysed inline production issues and improved yield above 98%.
- Conducted failure analysis on automated production equipment.
- Collaborated with automation teams to resolve process issues.
- Implemented process improvement plans and tracked results.

Quality Inspector – Avalon Technologies Pvt. Ltd. | Chennai | Sep 2019 – Jan 2021

- Inspected products as per IPC standards and quality requirements.
- Used SPC tools to analyse defects and improve processes.
- Ensured compliance with safety and manufacturing standards.

EDUCATION

BE – Electronics and Communication Engineering | Easwari Engineering College,
Chennai

Diploma – Electronics and Communication Engineering | Lakshmi Ammal Polytechnic College,
Kovilpatti
