

MD. RIAD HASAN

PLC Technician | Industrial Automation | Electrical Maintenance | Junior Electrical Engineer

Gazipur Chourasta, Gazipur-1704, Bangladesh
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PROFESSIONAL SUMMARY

Diploma in Electrical Technology graduate with hands-on training in PLC programming, HMI development, VFD configuration and industrial automation. Skilled in electrical maintenance, motor control, control panel wiring and troubleshooting, with 8 PLC-based training projects completed. Seeking an entry-level position as a PLC Technician, Electrical/Maintenance Technician or Junior Electrical Engineer where I can apply my technical knowledge and contribute to industrial operations.

KEY SKILLS

Automation: PLC Programming (Ladder) | HMI Development | VFD Configuration | SCADA Basics | Industrial Automation | Sensors & Actuators

Electrical: Electrical Maintenance | Preventive Maintenance | Control Panel Wiring | MCC Panel Troubleshooting | Control Circuits | Motor Control (DOL, Star-Delta, Fwd-Rev) | Pneumatics / Hydraulics

Other: Microsoft Word | Excel | PowerPoint | Quick Learner | Problem Solving | Teamwork | Communication | Safety Conscious

EDUCATION

Diploma in Electrical Technology (ET) Jan 2020 – Oct 2025
Model Institute of Science and Technology (MIST-Gazipur), Gazipur

Secondary School Certificate (SSC) Jan 2018 – Dec 2020
Barab Bakir Technical School, Kapasia, Gazipur

TRAINING PROJECTS

- Water Level Control System (PLC & HMI):** PLC logic with sensor integration for level and pump control, with HMI visualization.
- Conveyor Belt & Bottle Filling Automation:** PLC-based conveyor control and filling using sensors and timing control.
- Car Parking Management System:** Automated parking system using PLC logic for vehicle entry and exit detection.
- Liquid Mixing Control System:** PLC programmed for automatic liquid mixing with timer control.
- Traffic Light Control System:** Sequential traffic light control using timer and counter logic.
- Motor Control System (DOL, Star-Delta, Forward-Reverse):** PLC and relay-based motor control circuits for industrial applications.
- Temperature & Pressure Control System:** PLC-based monitoring and control using temperature and pressure sensors.
- Motor RPM Monitoring System:** Real-time RPM monitoring using an encoder display.

COURSES & CERTIFICATIONS

- Certificate Course in Programmable Logic Controller (PLC)** – PLC (Ladder Logic) programming, HMI design, VFD configuration and industrial automation project development.
- Microsoft Office Starter Course (2024)** – Word and Excel for documentation and data management.

EXTRACURRICULAR ACTIVITIES

- Volunteer Member, Bangladesh Ansar & VDP** – Gazipur. Supported security and field-level public service during a one-time government-assigned national election duty.

PERSONAL DETAILS

Date of Birth: March 1, 2003 | Gender: Male

References available upon request.