

MD ROWSHAN SHAH

Electrical & Automation Engineer

Hamidchar, Mohora, Chandgaon, Chittagong, Bangladesh

Phone: +8801858707232 | Email: nrshah988@gmail.com

Nationality: Bangladeshi | Date of Birth: 07 May 1999



PROFESSIONAL SUMMARY

Electrical & Electronic Engineering graduate from International Islamic University Chittagong with a CGPA of 3.32 and 6 months of practical training in Industrial Automation and Electrical Engineering at Ulterior Engineering. Hands-on project experience with Siemens S7 PLC, TIA Portal, HMI, industrial sensors, AutoCAD 2D/3D, Automation Studio, electrical layouts, load calculations, wiring diagrams, and IoT-based monitoring. Seeking an entry-level Electrical, Automation, Maintenance, Control, or Industrial Engineering role where strong technical fundamentals and practical project experience can contribute to safe, efficient, and reliable operations.

CORE TECHNICAL SKILLS

Industrial Automation: Siemens S7 PLC, TIA Portal, PLC Programming, RLC, HMI, Sequence Control, Industrial Sensors & Actuators, Motor Control.

Electrical Engineering: Electrical Layout Design, Single Line Diagram, Load Calculation, Wiring Diagrams, Control Circuits, Industrial Electrical Systems, Troubleshooting, Electrical Safety.

Software: AutoCAD 2D & 3D, TIA Portal, Automation Studio, Microsoft Office.

Additional: Arduino, Cloud Platforms, Sensor-Based Monitoring, Technical Documentation.

PROFESSIONAL TRAINING

Industrial Automation & Electrical Engineering Training | Ulterior Engineering | 6 Months

- Trained in Siemens S7 PLC programming, TIA Portal, RLC, HMI configuration, industrial sensors and actuators.
- Practiced motor control, electrical control circuits, automation sequences, and industrial troubleshooting concepts.
- Developed practical skills in AutoCAD electrical drawings, electrical layouts, load calculation, and wiring diagrams.
- Studied industrial control systems, electrical safety, and basic system analysis.

EDUCATION

B.Sc. in Electrical and Electronic Engineering (EEE)

International Islamic University Chittagong (IIUC)

CGPA: 3.324 / 4.00

PROFESSIONAL CERTIFICATIONS

- Automation Pro – Ulterior Engineering (2025)
- Electrical Design with AutoCAD – Ulterior Engineering (2025)

KEY ACADEMIC & INDUSTRIAL PROJECTS

Smart Factory Automation Prototype

- Designed and implemented a PLC-controlled mini production line using Siemens S7 PLC.
- Integrated industrial sensors to automate material handling and process flow.

Automatic Bottle Filling System

- Developed PLC logic for automated liquid filling with sequence control.
- Designed HMI screens for real-time monitoring and operation control.

Electrical Design Portfolio

- Completed electrical layouts, load calculations, and wiring diagrams for 10 real-world projects using AutoCAD.
- Applied practical electrical drafting and documentation skills to project requirements.

IoT-Based Industrial Monitoring System

- Implemented sensor-based monitoring using Arduino and cloud platforms.
- Enabled remote data visualization for industrial monitoring and basic data acquisition.

CAREER INTERESTS

Electrical Engineering | Industrial Automation | Electrical Maintenance | Control & Instrumentation | Manufacturing & Production | Power & Electrical Systems | Industrial Project Engineering.

LANGUAGES

- **Bangla** – Native
- **English** – Professional Working Proficiency

REFERENCES

Engr. SMG Mostafa

Associate Professor & Chairman, Department of EEE, IIUC

Email: mostafa93@iiuc.ac.bd

Muhammad Athar Uddin

Associate Professor, Department of EEE, IIUC

Email: mau@iiuc.ac.bd

Rowshan

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