# Farhan Chowdhury

Electrical Engineer | LV Distribution and Maintenance

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## PROFESSIONAL SUMMARY

Electrical engineer with 2 years in low-voltage distribution, panel installation and preventive maintenance for a garment factory and a commercial contractor. Read single-line diagrams, carry out cable sizing and load calculations, and test installations before energising. Looking for a site or maintenance engineer role.

## EXPERIENCE

**Assistant Engineer (Electrical)**

*Meghna Power Engineering Ltd, Dhaka | Feb 2025 - Present*

- Supervise installation of LV panels, cable trays and lighting for a 9-storey office building with a connected load of about 1.2 MVA.
- Prepare cable schedules and voltage-drop calculations for 46 feeders and submit them for consultant approval.
- Carry out insulation resistance and earth continuity tests and record the results on test sheets before handover.
- Coordinate daily work for 2 foremen and 14 electricians.

**Maintenance Engineer (Trainee)**

*Padma Textiles Ltd, Gazipur | Jan 2024 - Jan 2025*

- Followed a preventive maintenance plan for 2 diesel generators, 3 transformers and the main distribution boards.
- Helped reduce unplanned electrical stoppages on one sewing floor from 9 to 4 per month by replacing worn contactors and re-terminating loose connections.
- Logged power factor readings each shift and reported when the capacitor bank needed attention.

## PROJECT

**Automatic Power Factor Correction Panel (final year)**

*Team of 3 | 2023*

- Designed and built a microcontroller-based panel that switched 4 capacitor steps and raised the test load power factor from 0.74 to 0.95.

## TECHNICAL SKILLS

Design: load calculation, cable sizing, voltage drop, single-line diagrams, AutoCAD Electrical (2D)

Site and testing: LV panel installation, earthing, insulation resistance tester, clamp meter, relay basics

Automation: PLC ladder logic (introductory), motor starters, VFD parameter setting

Software: ETAP (basic load flow), MATLAB, MS Excel

## EDUCATION AND LICENCES

BSc Electrical and Electronic Engineering, Buriganga University of Engineering, Dhaka | 2023 | CGPA 3.4 / 4.0

Electrical supervisor licence (class ABC) | 2025

Workplace electrical safety training, 16 hours | 2024