



Education:

American International University Bangladesh

Aug 2018 – Mar 2023

B.Sc. in Electrical and Electronic Engineering (CGPA: 3.32/4.00)

Dhaka Imperial College

Jun 2016 – Feb 2018

Higher Secondary School Certificate (HSC) (GPA: 3.50/5.00)

Motijheel Government Boys' High School

Jan 2007 – May 2016

Secondary School Certificate (SSC) (GPA: 4.89/5.00)

Relevant Coursework:

Power Electronics, Electrical Circuits, Electrical Machines, Electrical Power Transmission & Distribution, Electrical Properties of Materials, Power Systems Analysis, Power Stations and Substations, Engineering Ethics, Engineering Shop, Engineering Management, and Electrical Services Design.

Skills:

- **MS Office** (Proficient in Word, Excel, and PowerPoint)
- **AutoCAD, EZCAD** (2D Drawing, Solar System Design, Laser Machine Operation)
- **MATLAB & Simulink** (Power System Analysis)
- **Proteus** (Microprocessor Controller)
- **Programming Language** (Python, C, C++)
- **Others** (Github, MySQL, Numpy, Power BI)

Training and Internship Experiences:

Engineer, Technology & After Sales, Shenzhen CKD Precision Mechanical & Electrical Co., Ltd. Jun 2024 – Aug 2024

- Assembled and maintained laser machines.

Trainee Engineer, Systech DataSoft

Aug 2023 – Apr 2024

- Collaborated with the team at Systech Datasoft for HRM Onboarding Process Development and Innovation.
- Oversaw a project to rebuild and restructure the dashboard for the business, enhancing data presentation and usability.

Executive Engineer, Solar Home Co.

May 2023 – Aug 2023

- Solar Photovoltaic (PV) Technology, System Design and Sizing, Electrical Systems and Wiring, Energy Storage Systems, System Monitoring and Maintenance, BOQ of total PV system project.

Intern, Dhaka Electric Supply Company Limited (DESCO).

Oct 2022 – Nov 2022

- Visited 33/11kV Substation, Grid System Protection, Sales & Distribution (S&D) Division.

Intern, Dhaka Power Distribution Company Limited (DPDC).

Sep 2022 – Dec 2022

- Visited 132/33/11kV Substation, Workshop, Store, Planning & Design Division, Metering, Network Operation and Customer Services (NOCS) Office.
- Secured 1st Position in the final assessment out of 56 participants.

Safety Training, Samsung C&T Safety Academy

- Use of PPE, Safety Goggles, helmets, Gloves, shoes, Harness, fire extinguishers, and Jumping tricks from a Highrise building.

Basic Computer Training, National Youth & Technical Training Center

- Advanced Computer Application certificate course on fundamentals of computer windows operating system, Microsoft office application (MS Word, Excel, and PowerPoint)

Conference Publications:

- K.M. Rayhan, Shuvo Dip Roy, **Md. Fahimul Haque Sadid**, Kazi Firoz Ahmed, Abu Hena Shatil, "Surface Damage Detection of Line Insulators Using Deep Learning Algorithms to Avoid Insulation Failure," 2023 3rd *International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST)*, Dhaka, Bangladesh.

Ongoing Projects:

- **Md. Fahimul Haque Sadid**, Md. Imran Hossain, Md. Amirul Islam, Md. Ratul Aman, "Sustainable and Universal EV Charging Infrastructure with Solar and Wind Power,"
- **Md. Fahimul Haque Sadid**, K.M. Rayhan, Shuvo Dip Roy, Kazi Firoz Ahmed, Abu Hena Shatil, "Surface Damage Detection of Line Insulators Using Deep Learning Algorithms to Avoid Insulation Failure with algorithm YOLOv7,"