

## **MD.Rafiul karim Rudra**

[rafiulkarim33@gmail.com](mailto:rafiulkarim33@gmail.com)

4/1,zero goli, kallayanpur main road, Dhaka

---

### **Professional Summary**

A dedicated Electrical and Electronics Engineering graduate from American International University Bangladesh(AIUB) with 1 year of hands-on experience at DESCO,specializing in electrical systems.

### **Education**

**American International University Bangladesh**, Faculty of Engineering

Kuril,Dhaka

Feb 2020

. Bsc., Electrical and Electronics Engineering

### **Certificate and Training**

#### **1.Certificates:**

. Electrical Safety Certification 2021

. Obtained comprehensive knowledge of electrical safety standards and practices in high-voltage environments.

. AutoCAD Electrical for Electrical Engineers 2021

. Completed training on AutoCAD for electrical system design and schematics, used for power distribution network layouts.

. MATLAB for Engineering Applications 2021

- . Learned to use MATLAB for system simulations, analysis, and solving engineering problems related to power systems.

- . SCADA Systems Training 2021

- . Gained hands-on experience with SCADA systems used to monitor and control electrical distribution systems.

## **2. Training:**

- . Internship at DESCO 2020

- . Received hands-on training in power distribution systems, including substation operations, load flow studies, and system monitoring.

- . Assisted in the installation and maintenance of transformers, circuit breakers, and overhead lines.

- . Worked with SCADA systems to monitor grid performance, identifying faults and ensuring stable power delivery.

- . Gained practical experience in electrical equipment troubleshooting, safety procedures, and compliance with local standards.

- . Collaborated with engineers on real-time data analysis for optimizing grid efficiency and load distribution.

## **Work Experience**

(Internship Experience):

Intern, Power Distribution Engineering

DESCO (Dhaka Electric Supply Company) – Dhaka, Bangladesh (06/2020 – 08/2021)

- . Assisted in the daily operations of power distribution systems, including troubleshooting electrical faults and monitoring system performance.
- . Participated in the design and maintenance of electrical distribution networks, ensuring optimal performance and minimal downtime.
- . Helped perform load flow studies and voltage regulation assessments to optimize the power distribution system.
- . Assisted senior engineers in testing and commissioning newly installed equipment and systems.
- . Documented and reported data on power outages, customer service issues, and performance of electrical equipment.

## **key Skills**

### **1. Technical Skills:**

- . Power Distribution System Design
- . Electrical Load Flow Analysis
- . SCADA and PLC Systems
- . AutoCAD for Electrical Drafting
- . MATLAB and Simulation Tools (e.g., ETAP)
- . Electrical System Troubleshooting and Fault Diagnosis
- . Electrical Safety Standards and Procedures

## **2.Soft Skills:**

- . Team Collaboration and Communication
- . Problem-Solving and Critical Thinking
- . Adaptability and Quick Learner
- . Time Management and Project Coordination

## **Language**

- . Bengali(Native)
- . English(Fluent)

## **References**

1. Dr. Nafiz Ahmed Chisty

Associate professor, Head[under graduate program]  
Department of Electrical and Electronics Engineering  
American International University Bangladesh  
[Email-chisty@aiub.edu](mailto:Email-chisty@aiub.edu)

2. DESCO Head Office

Plot 22/A,RDA building, Faruk soroni, Nikunjo-2, khilket  
Phone- 0258954265, 0258950574. 028999398, 028999470

3. Agargoan sub zone

Plot 14/E,Block-D,Agargoan,Sherebangla,Dhaka-1207  
Phone-02-55007290, 02-55007291