



# RAUF IBNA RAFIQ

B.SC. IN ELECTRICAL & ELECTRONIC ENGINEERING (EEE)

## CONTACT

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Jamalpur, Mymensingh

in raufnir

## EDUCATION

2020 - 2025

HAJEE MOHAMMAD DANESH  
SCIENCE AND TECHNOLOGY  
UNIVERSITY

- B.Sc. in Electrical and Electronic Engineering
- CGPA: 3.3/4

2016 - 2018

JAMALPUR RESIDENTIAL  
MODEL COLLEGE

- HSC

## TECH SKILLS

- MATLAB
- AutoCAD Basics
- Microsoft Office (Essentials)
- Python
- Canva
- Prompt Engineering
- GitHub

## PROFILE

As an EEE graduate, I've gained valuable, hands-on insights from industrial training and visiting leading power plants. I enjoy working with MATLAB, Python, and AutoCAD, and thrive in collaborative settings. Passionate about solar energy and power systems, I'm eager to contribute practical solutions while growing with a team dedicated to sustainability and innovation.

## WORK EXPERIENCE

### Ashuganj Power Station Company Limited, Ashuganj, Brahmanbaria

15 DAYS

#### Industrial Training

- Acquired hands-on experience in modern power generation by visiting three advanced and one older power plants during a 15-days internship at APSCL.
- Developed practical knowledge of plant operations, energy management, and safety protocols while observing industry best practices onsite.

#### Industrial Visit

2024

- Substation - Polli Biddut (Dinajpur-1)
- Confidence Power Plant (Rangpur)

#### Workshop in HSTU Campus

- Transformer Protection by School of Engineers (1 day)
- IC Design by Ulkasemi (1 day)
- MATLAB Simulink by IEEE HSTU Student Branch (2 days)
- Solar System Design by IEEE HSTU Student Branch (2 days)

#### Leadership & Extra-curricular Activities

- Co-convener** at IEEE HSTU Student Branch.
- Documentation Lead** at HULT Prize at HSTU.
- Event management member** at HULT Prize at HSTU.
- Executive member** at School of Engineers-HSTU Chapter.
- Class Representative (CR)** at Dept. of EEE (8<sup>th</sup> Batch)

## SOFT SKILLS

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- Event Management
- Public Speaking
- Leadership
- Effective Communication
- Critical Thinking

## INTERESTS

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- Solar Energy
- Power System
- Artificial Intelligence
- Business Growth

## ACHIEVEMENT & CERTIFICATES

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- **Winner** at Best English Speaker by E-Speaking Club of HSTU.
- **Runner Up** at Let's Talk by Skill Development Club of HSTU.
- **EDGE Project of Bangladesh Computer Council, ICT Division - (80 Hours)** - Python Django.
- **DeepLearning.ai** - AI for Everybody

## UNDERGRADUATE THESIS

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- Development of an Integrated Face Recognition Platform Using Computer Vision and Transfer Learning with MATLAB
  - Built a real-time face recognition system with 93% accuracy using transfer learning (AlexNet).
- Design and Development of a Social Robot Featuring Integrated Simulation-Based Control Systems Utilizing Raspberry Pi and Arduino
  - Designed a social robot (simulation-based) for hospital use, cutting cost and time through smart sensor integration.

## PERSONAL INFORMATION

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Father's Name : Rafique Islam  
Mother's Name : Nazma Khatun  
Date of Birth : 30<sup>th</sup> March 2001  
Marital Status : Married  
Religion : Islam  
Permanent Address : Zia College Road, Bagerhata, Jamalpur Sadar, Jamalpur - 2000

## REFERENCE

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### Mahfuza Tasnim Jasi

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Xolaren Bangladesh

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### Dr. Md. Zamil Sultan

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Dept. of EEE,  
Hajee Mohammad Danesh Science  
and Technology University

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