



## CV of SHETU MOHANTO

House no: 1024(s), Road no: 17, Block: A, Adabor, Dhaka-1207

**E-mail:** shetumohanto@gmail.com

**Mobile:** +8801750073440

**LinkedIn ID:** [www.linkedin.com/in/shetumohanto](http://www.linkedin.com/in/shetumohanto)

### Research Interests

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- ❖ Deep learning
- ❖ Machine learning on low power devices (TinyML)
- ❖ Quantum machine learning
- ❖ Optical neural network
- ❖ Navigation of self-driving car

### Experiences

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- ❖ **Lecturer (Contractual)** March 2023-Present  
Department of Electrical and Electronics Engineering  
Green University of Bangladesh  
220/D, Begum Rokeya Sarani (300 meter North Side of IDB Bhaban), Dhaka -1207, Bangladesh.
- ❖ **Senior member of Control Team** September 2020-December 2022  
KUET Mars Rover Team Durbar,  
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.  
**Works done so far:** Camera system design, Communication system design, Navigation system design.
- ❖ **Vice President** March 2022-February 2023  
EEE Association,  
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.
- ❖ **Vice President** April 2022-March 2023  
EEE Makers Hub,  
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.
- ❖ **Vice Chairperson** March 2022-March 2023  
IEEE Student Branch KUET, Khulna-9203, Bangladesh.
- ❖ **Technical Coordinator** September 2020-April 2022  
EEE Makers Hub,  
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.  
**Works done so far:** One of the mentors of Introduction to C & Arduino workshop (for the session of "Introduction to Arduino").

### Achievements

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- ❖ **Dean's List Award** (3 times for attaining a GPA of at least 3.75 in an academic year)
- ❖ **2nd Runner Up in the EE 3200 Project Showcasing Competition 2022**  
**Project name:** [Arduino Based Electrical Power Distribution Board for Home Appliances](#)

Arranged by Department of Electrical and Electronic Engineering, Khulna University of Engineering & Technology (KUET), Khulna- 03, Bangladesh.

❖ **With KUET Mars Rover Team Durbar**

- Finalist of Anatolian Rover Challenge (ARC) 2022.
- Invited to Canadian International Rover Challenge (CIRC) 2022 summer event.
- 10th in Indian Rover Design Challenge (IRDC) 2020.

❖ **21th** in the divisional round (category C) of the 7<sup>th</sup> **Bangladesh Physics Olympiad** 2017.

❖ **Technical scholarship** (Given to the top 60 students in the department, 4 times)

## Education

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

CGPA: 3.81/4.00

Passing date: 01 March, 2023

Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.

January 2018-March 2023

❖ **Higher Secondary Certificate (HSC), Science**

Batch: 2017

Result: GPA 5.00/5.00

Saidpur Govt. Technical College, Saidpur-5310, Nilphamari, Bangladesh.

❖ **Secondary School Certificate (SSC), Science**

Batch: 2015

Result: GPA 5.00/5.00

Cantonment Public School & College Saidpur, Saidpur-5310, Nilphamari, Bangladesh.

## Thesis

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❖ **B.Sc. thesis title:** Transmission Line Insulator Fault Classification and Model Size Reduction

**Supervisor:** Professor Dr. Md. Salah Uddin Yusuf,

Department of Electrical and Electronic Engineering,

Khulna University of Engineering & Technology (KUET)

## Technical Skills

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- ❖ Python programming (NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, Scikit-learn, Qiskit)
- ❖ C, C++, C#
- ❖ Arduino, Raspberry Pi programming
- ❖ Designing embedded system using sensors as well as actuators
- ❖ Altium PCB designer
- ❖ MATLAB and Simulink
- ❖ Robot Operating System (ROS)
- ❖ Verilog HDL
- ❖ Latex
- ❖ Operating Linux OS (Ubuntu)
- ❖ MS Office, MS Visio, MS Excel, MS Power Point
- ❖ Origin Lab

## Linguistic Proficiency

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- ❖ English (Limited working proficiency)
- ❖ Bangla (Native Language)

## References

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❖ **Dr. Md. Salah Uddin Yusuf**

Professor

Department of Electrical and Electronic Engineering

Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.

Mobile: +8801714087209

Email: suyusuf@eee.kuet.ac.bd

❖ **Dr. Mohiuddin Ahmad**

Professor


Department of Electrical and Electronic Engineering

Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.

Mobile: +8801556537660

Email: ahmad@eee.kuet.ac.bd

I hereby affirm that the information provided above is true to the best of my knowledge.



Shetu Mohanto  
30 April, 2023.