CV of **SHETU MOHANTO**

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Research Interests

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

Experiences

- ❖ **Lecturer (Contractual)**   March 2023-Present
  Department of Electrical and Electronics Engineering
  Green University of Bangladesh
  220/D, Begum Rokeya Sarani 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

- ❖ **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 7th **Bangladesh Physics Olympiad** 2017.
- ❖ **Technical scholarship** (Given to the top 60 students in the department, 4 times)

Education

- ❖ **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

- ❖ **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

- ❖ Python programming (NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, Scikit-learn, Qiskit)
- ❖ 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

Online Courses

- ❖ **Deep Learning** by DeepLearing.AI (Coursera)
- ❖ **DeepLearning.AI TensorFLow Developer** by DeepLearning.AI (Coursera)
- ❖ **Control of Mobile Robots** by Georgia Institute of Technology (Coursera)
- ❖ **Machine Learning Fundamentals with Python** by Datacamp
- ❖ **Self-Driving Cars** by University of Toronto (Coursera)

Linguistic Proficiency

- ❖ English
- ❖ Bangla

References

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

Shetu Mohanto
06 May, 2023.