# Gobinda Chandra Sarker

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Researchgate : researchgate.net/profile/Gobinda-Sarker/

## Education

2023 – Current
**Master of Science** | ***Robotics & Mechatronics Engineering***
University of Dhaka, Bangladesh
CGPA : 3.69 ($1^{st}$ Semester)
Website : https://www.du.ac.bd/body/RME

2017 – 2022
**Bachelor of Science** | ***Electrical & Electronic Engineering***
University of Dhaka, Bangladesh
CGPA: 3.61
Website : https://www.du.ac.bd/

## Work Experience & Training

01/2023 - 04/2023
**Certificate Course on PLC**
Brac Institute of Skill Development (BEIOA - SEIP Project)
Address : Ashkona, Opposite to Hajj Camp , Uttara, Dhaka-1230

10/2021 - 11/2022
**Research Assistant, Mymensingh Engineering College (University of Dhaka)**
Projects done as RA-

- ➢ Short-Term Electrical Load Prediction for Future Generation Using Hybrid Deep Learning Model
- ➢ Metamaterial Structure Design & Simulation

05/2018 - 11/2018
**Training For Mobile Application Developer (Android)**
Skill Development for Mobile Game & Application Project (ICT Division, Bangladesh)

## Language Skills

**Mother Tongue(s) : Bangla**

**Other(s) : English**
IELTS (O: 7.5, S: 7, W: 7, R: 8, L: 8.5)

## Publications

### Journal Articles

1. Anik Baul, **Gobinda Chandra Sarker**, Pintu Kumar Sadhu, Venkata P Yanambaka, and Ahmed Abdelgawad. "XTM: A Novel Transformer and LSTM-Based Model for Detection and Localization of Formally Verified FDI Attack in Smart Grid". In: *Electronics* 12.4 (2023), p. 797. DOI: https://doi.org/10.3390/electronics12040797.

2. Anik Baul, **Gobinda Chandra Sarker**, Prokash Sikder, Utpal Mozumder, and Ahmed Abdelgawad. "Data Driven Short-Term Load Forecasting for Multiple Locations: An Integrated Approach". In: *Big Data and Cognitive Computing* (2023). (status: Accepted).

3. Srabanti Datta, Anik Baul, **Gobinda Chandra Sarker**, Pintu Kumar Sadhu, and Deidra R Hodges. "A comprehensive Review of the Application of Machine Learning in Fabrication and Implementation of Photovoltaic Systems". In: *IEEE Access* (2023). DOI: https://doi.org/10.1109/ACCESS.2023.3298542.

### Conference Proceedings

1. SM Anowarul Haque, **Gobinda Chandra Sarker**, and Kazi Md Sadat. "Short-Term Electrical Load Prediction for Future Generation Using Hybrid Deep Learning Model". In: *2022 International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE)*. IEEE. 2022, pp. 1–6. DOI: https://doi.org/10.1109/ICAEEE54957.2022.9836359.

2. **Gobinda Chandra Sarker**, Kazi Md Sadat, and Aditya Das. "Book Review Sentiment Classification in Bangla using Deep Learning and Transformer Model". In: *2022 4th International Conference on Sustainable Technologies for Industry 4.0 (STI)*. IEEE. 2022, pp. 1–6. DOI: https://doi.org/10.1109/STI56238.2022.10103337.

## Peer Reviews

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|---|---|
| 2022 | **Journal - IEEE TRANSACTIONS ON SMART GRID**<br>Quartile Category Q1<br>https://www.webofscience.com/wos/author/record/HCI-5674-2022 |

## Projects

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| 2023 | **Face Recognition for Student Attendance System Using Facenet Siamese One shot Learning** |
| 2022 | **Modeling of XOR Arbiter PUFs Using Multilabel Deep Learning Model for Internet of Medical Things Devices** |
| 2022 | **Biopotential Signal Amplifier to Monitor EEG and EOG Signal Simultaneously** |
| 2019 | **IR-Based Line Following Robot Using Proportional-Integral-Derivative Controller** |

## Digital Skills

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| **Programming :** | Python, MATLAB, C, Java, HTML, CSS, SQL (MySQL) |
| **ML Libraries :** | Tensorflow, Pytorch, scikit-learn, OpenCV |
| **Research Writing :** | LaTex (Overleaf, TeXstudio), Jebref, Microsoft Office Suite, Markdown, Origin |
| **Design & Simulation :** | Proteus, MATLAB Simulink, CST Microwave Studio (CST MWS), SCAPS 1D |
| **Robotics & Physics Simulator :** | ROS 2, Gazebo Physics Simulator, Unreal Engine, RViz, Arduino/Arduino IDE |