



Gobinda Chandra Sarker

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Date of birth: 26/09/1998 Nationality: Bangladeshi

EDUCATION AND TRAINING

[05/2023 – Current]

M.Sc. in Robotics and Mechatronics Engineering

University of Dhaka <https://www.du.ac.bd/body/RME>

[2017 – 2022]

B.Sc. in Electrical & Electronic Engineering

University of Dhaka <https://www.du.ac.bd/>

Address: 1000, Dhaka, Bangladesh

Final grade: CGPA 3.61 on a scale of 4.00

[01/01/2023 – 29/04/2023]

Certificate Course on PLC

BRAC Institute of Skill Development (BEIOA - SEIP Project) <https://seip-fd.gov.bd/competency/cs-for-certificate-course-on-plc/>

Address: Ashkona, Opposite to Hajj Camp , Uttara, Dhaka-1230

[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 language(s): English - IELTS (O: 7.5, S: 7, W: 7, R: 8, L: 8.5)

PUBLICATIONS

[\[2023\] A comprehensive Review of the Application of Machine Learning in Fabrication and Implementation of Photovoltaic Systems](#)

Journal: IEEE Access

Link: <https://ieeexplore.ieee.org/abstract/document/10192283>

[\[2023\] XTM: A Novel Transformer and LSTM-based model for Detection and Localization of Formally Verified FDI Attack in Smart Grid](#)

Journal: Electronics, MDPI (Special issue: Internet of Things for Smart Grid)

Link: <https://www.mdpi.com/2079-9292/12/4/797>

[\[2023\] Book Review Sentiment Classification in Bangla using Deep Learning and Transformer Model](#)

Conference: 4th International Conference On Sustainable Technologies For Industry 4.0 (IEEE)

Link: <https://ieeexplore.ieee.org/abstract/document/10103337/>

[2022] Short-Term Electrical Load Prediction for Future Generation Using Hybrid Deep Learning Model

Conference: International Conference on Advancement in Electrical and Electronic Engineering 2022 (IEEE)

Link: <https://ieeexplore.ieee.org/abstract/document/9836359>

CURRENT RESEARCH

A Data Driven Approach for Simultaneous Load Prediction of Multiple Locations

Week-ahead load prediction of all divisions in bangladesh for refined control and planning of resources in power system of Bangladesh.

IEEE Access (Submitted)

Link: <https://github.com/gcsarker/Multiple-Regions-STLF>

Wavelet Coefficients and Autoregressive Reflection Coefficients for Hand Movement Detection

Conference (Accepted): 5th International Conference on Advances in Signal Processing and Artificial Intelligence (ASPAI' 2023)

PEER REVIEWS

[2022] **Journal - IEEE TRANSACTIONS ON SMART GRID**

Quartile Category Q1

Link: <https://www.webofscience.com/wos/author/record/HCI-5674-2022>

PROJECTS

[2023] Face Recognition for Student Attendance System Using Facenet Siamese One shot Learning

[2022] Modeling of XOR Arbiter PUFs using Multilabel DL Model for IOMT Devices

[2022] Biopotential Signal Amplifier to Monitor EEG, EOG Signal Simultaneously

[2019] IR-Based Line Following Robot Using PID Controller

DIGITAL SKILLS

Programming Language

Python | C | JAVA | CSS | HTML | SQL (MySQL)

Design and Simulation Software

MATLAB | CST Microwave Studio (CST MWS) | SCAPS 1D | Proteus Design Suite | Simulink

Research Writing Aided Software

LaTeX | JabRef | TeXstudio | Microsoft Office Suite | Origin

Robotics and Physics Simulator

ROS 2 | Gazebo Physics Simulator | RViz | Arduino/Arduino IDE