

SAIF SABBIR

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EDUCATION

Chittagong University of Engineering and Technology (CUET) BSc. in Electrical and Electronic Engineering (EEE) CGPA: 3.64/4.0 (3.78 in last four terms)	<i>June 2024</i>
Govt. City College, Chittagong, Bangladesh Higher Secondary School Certificate (HSC) GPA: 5.0/5.0	<i>April 2018</i>
Chittagong Govt. High School, Chittagong, Bangladesh Secondary School Certificate (SSC) GPA: 5.0/5.0	<i>March 2016</i>

PROFESSIONAL EXPERIENCE

Adjunct Lecturer Department of Computer Science Engineering International Islamic University Chittagong Courses: Digital Logic Design (DLD), Microprocessor, Microcontroller and Embedded System.	<i>September 2024 - Continue</i>
Teaching Assistant Tutored higher secondary science (physics, mathematics & ICT) Covered topics: Calculus, Probability, Permutation, Vectors, C programming, HTML, etc.	<i>2019 - 2024</i>

INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM (IELTS)

IELTS Score: 7.5 Listening 8.5, Reading 7.5, Writing, 6.5, Speaking 6.5	<i>June 2025</i>
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GRADUATE RECORD EXAMINATIONS (GRE)

GRE Score : 313 Quant: 167, Verbal: 146, AWA: 3.5	<i>November 2025</i>
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RESEARCH INTERESTS

Machine Learning, Deep Learning, Computer Vision, Medical Imaging, Natural Language Processing, Time-series forecasting.

PUBLICATIONS

- [1] **S. Sabbir**, S. Karmakar, A. Ghosh, *et al.*, “A novel hybrid approach for load forecasting: Multi-head attention integrated lcg model with statistical outlier management,” in *2025 International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN)*, 2025, pp. 1–6. DOI: [10.1109/QPAIN66474.2025.11172259](https://doi.org/10.1109/QPAIN66474.2025.11172259).
- [2] S. Karmakar, **S. Sabbir**, M. Saqib, N. Datta, S. Sharifzoda, and M. T. Aziz, “Integrating machine learning and smote framework: An effective credit card fraud detection system,” in *2025 International Conference on Emerging Technologies in Electronics, Computing, and Communication (ICETECC)*, 2025, pp. 1–6. DOI: [10.1109/ICETECC65365.2025.11070257](https://doi.org/10.1109/ICETECC65365.2025.11070257).

- [3] M. I. U. Forkan, **S. Sabbir**, and M. M. Gani, "Multi-objective optimization and feasibility study of hybrid energy system considering future load of 2041 using machine learning," in *2024 International Conference on Innovations in Science, Engineering and Technology (ICISSET)*, 2024, pp. 1–6. DOI: [10.1109/ICISSET62123.2024.10939605](https://doi.org/10.1109/ICISSET62123.2024.10939605).
- [4] Sawrav, Jion, Mahir, Arik, **S. Sabbir**, and Aditta, "A novel cnn-based framework for the accurate detection of tomato leaf disease with attention mechanism and transfer learning," in *2025 International Conference on Big Data, IoT and Machine Learning*, ([Accepted](#)).

WORKS UNDER REVIEW

- [1] A Transformer-Based Approach for Sentiment Classification in the Low-Resource Chakma Language
Journal Name: PLOS One **Authorship:** First Author

TECHNICAL SKILLS

Software: Matlab, Pycharm, Jupiter Notebook, Proteus, Autocad, Cadence Virtuoso, Tinkercad.

Programming Language: Python, C, C++, Matlab.

Libraries: Keras, Tensorflow, cv2, Pytorch, Pandas, Numpy, Scikit-learn, BeautifulSoup.

Competitive Programming: Solved 125 problems using Python and attended 7 contests in CODE-FORCES all along. [Codeforces Handle](#)

Algorithms & Techniques: Deep Learning, Attention, Hybrid model, Time series forecasting, Image and audio signal processing, Web scrapping.

Hardware Skills: Arduino, Sensors, Digital ICs, IOT (ESP-32 Cam)

PROJECTS

Brain-MRI Image Classification

Virtual AI-Assistant design with Python

Bert-based NLP Text Classification model

VLSI Project: 4-bit Register Design in Cadence Virtuoso

COURSES AND CERTIFICATIONS

Python for Everybody (Getting started with Python)

Awarding Institution: Coursera [Certificate](#)

Python Data Structures

Awarding Institution: Coursera [Certificate](#)

LEADERSHIP SKILLS

Chief Marketing Officer (CMO)

Banana Pad, CUET

August 2023 - July 2024

Executive Member

IEEE Student Branch CUET

July 2021 - September 2024

EXTRA-CURRICULAR & CO-CURRICULAR ACTIVITIES

BiZMiner 1.0 2022 by Supply Chain Business Association CUET

Finalist in the case solving competition on e-commerce marketing challenge

May 2022

IEEE DAY 2020 by IEEE Student Branch CUET

Finalist in the Poster Presentation Competition in IEEE DAY 2020

September 2020