

Md. Emran Biswas

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RESEARCH INTERESTS

I am enthusiastic about machine learning, optimization algorithms, and leveraging these technologies for societal impact. My research focuses on predictive analysis, optimization using machine learning models, bioinformatics-based drug discovery, and exploring applications that contribute to 'AI for Good.'

EDUCATION

- Hajee Mohammad Danesh Science & Technology University (HSTU) Dinajpur, Bangladesh
- BSc, Electronics and Communication Engineering Mar 2019 – Sep 2024

PUBLICATION

- Isalm, Md & Biswas, & Haque, Dulal & Hossain, Md & Shahzamal, Md. (2023). [An Effective Data Driven Approach to Predict Bike Rental Demand.](#)
- Biswas, M.E., Shahzamal, M. and Haque, M.D., 2024, May. [Machine Learning Approach to Estimate Requirements for Target Productivity of Garments Employees.](#) In 2024 6th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT) (pp. 921-926). IEEE.

ACCEPTED PAPERS

- A Bioinformatics Approach to Identify Hub Genes Across Schizophrenia, Anxiety, Bipolar Disorder, and Depressive Disorder for Network-Based Drug Discovery
- An Adaptive Machine Learning Approach for Electrical Fault Detection and Minimization

SKILLS

- **Programming Language:** C, C++, Java, Python
- **Query Language:** SQL, NoSQL (MongoDB)
- **Cloud:** AWS Cloud
- **Web Framework:** Django, Flask, Plotly-Dash
- **Deep Learning Framework:** Tensorflow
- **Scientific Computing Package:** Numpy, Scikit-learn, Pandas

AWARDS

First Runner-Up in Project Exhibition, 2022

Title: Face Detection-Based Automatic Attendance System

Second Runner-Up in Project Exhibition, 2023

Title: AI-Based Health Checking System

References

- [Dr. Md. Dulal Haque](#), Professor, Department of Electronics and Communication Engineering, HSTU, Bangladesh, Phone: +8801712534968, Email: dhaque@hstu.ac.bd
- [MD SHAHZAMAL](#), PhD, Macquarie University, Australia, Email: mdszamal@gmail.com
- [Dr. Tangina Sultana](#), Post Doctoral Researcher, Kyung Hee University, South Korea, Associate Professor, Department of Electronics and Communication Engineering, HSTU, Bangladesh, Phone: +8801309964335, Email: dristy.043@gmail.com
- [Md. Selim Hossain](#), Lecturer, Department of Electronics and Communication Engineering, HSTU, Phone: +8801737598853, Email: selim.ece@tch.hstu.ac.bd