Md. Emran Biswas

Dinajpur, Bangladesh emranbiswas.hstu@gmail.com Google Scholar Linkedin

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 — 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