MD MONIRUL ISLAM

Omaha, NE, 68106

im.monirul755@gmail.com ◇ Google Scholar ◇ LinkedIn

EDUCATION

PhD in Information Technology, University of Nebraska at Omaha, NE, USA — Expected 2027

BSc in Electronics and Communication Engineering, Khulna University of Engg. & Tech — 2015 - 2019

SKILLS

Tools	Visual Studio, PlatformIO, Arduino IDE
Programming Language	C, C++, Python
Scripting Language	MATLAB
Microcontrollers	ESP8266, ESP32, Atmega328P, STM32F103C8T6
Peripherals	UART, Oscillator, I2C, Output Compare, Timer, Interrupt

EXPERIENCE

Graduate Assistant — Jan 2023 - Present
College of Information, Science & Technology, University of Nebraska at Omaha — *Nebraska, USA*

- Research Area: Cyber Security, Bridge Health Monitoring.

Embedded Systems Engineer — Feb 2020 - Jun 2022
Vertical Innovations Ltd — *Dhaka, Bangladesh*

- MQTT, OTA, PCB, Firmware Development
- Leading the development IoT based vending machines from idea stage to production
- Maintaining smooth operation of 100+ vending machines with the help of 6 people
- Poject planning and proposal readiness for water treatment plant automation worth $20,000

PUBLICATIONS

Zabir Al Nazi, A. B. M. Aowlad Hossain, **Md. Monirul Islam**, *Motor Imagery EEG Classification Using Random Subspace Ensemble Network with Variable Length Features*, Int J Bioautomation, 25 (1), 13-24, 2021.
DOI: 10.7546/ijba.2021.25.1.000611

Md Monirul Islam, Maruf Hossain Shuvo, *DenseNet Based Speech Imagery EEG Signal Classification using Gramian Angular Field*, 5th International Conference on Advances in Electrical Engineering(ICAEE), 2019.
DOI: 10.1109/ICAEE48663.2019.8975572

Md Monirul Islam, Zabir Al Nazi, A. B. M. Aowlad Hossain, Md Masud Rana, *Data Prediction in Distributed Sensor Networks Using Adam Bashforth Moulton Method*, Journal of Sensor Technology, vol. 8, pp. 48-57, 2018.
DOI: 10.4236/jst.2018.82004

Md Monirul Islam, Zabir Al Nazi, A. B. M. Aowlad Hossain, Md Masud Rana, *Information prediction in sensor networks using Milne-Simpson's scheme*, 4th International Conference on Advances in Electrical Engineering(ICAEE), 2017.
DOI: 10.1109/ICAEE.2017.8255406