# Monirul Haque

E block, Aftabnagar, Dhaka - 1212, Bangladesh

📞 (+880) 1861125970  ✉ monirul.haque.mail@gmail.com  in monirulhaq  🏠 monirulhaque.github.io  ⌂ monirulHaque

## RESEARCH INTERESTS

Natural Language Processing, Computer Vision, Machine Learning, Network Science, Artificial Intelligence.

## ACADEMIC QUALIFICATIONS

**Master of Science in Computer Science and Engineering**           **Spring 2023 − Present**
*BRAC University, Dhaka, Bangladesh*            *CGPA: 3.83 out of 4.00 (completed 18 credits)*

**Bachelor of Science in Computer Science and Engineering**           **Summer 2018 − Fall 2021**
*BRAC University, Dhaka, Bangladesh*            *CGPA: 3.81 out of 4.00*

## PUBLICATIONS

*BanglaBait: Semi-Supervised Adversarial Approach for Clickbait Detection on Bangla Clickbait Dataset.*
Md. Motahar Mahtab, **Monirul Haque**, Mehedi Hasan, and Farig Sadeque. Proceedings of Recent Advances in Natural Language Processing, pages 748–758, Varna, Bulgaria, September 2023. https://doi.org/10.26615/978-954-452-092-2_081

## RESEARCH PROJECTS

**Information Retrieval using Community Detection on Graph Network of Documents**
*A novel information retrieval technique that leverages community detection on a graph network based on a Topic model created on news documents.*

**WhisperWave: Synergizing Parameter Efficient Fine-Tuning using LoRA Technique in Transformer Models for Out-Of-Distribution Bangla Automated Speech Recognition** (Accepted in IEEE CSDE 2023)
*Fine-tuning pre-trained multilingual Whisper LargeV2 with Low-Rank Adaptation Parameter Efficient Fine-Tuning Technique on a low specification computer.*

## TEACHING EXPERIENCE

**Adjunct Lecturer**           **May 2022 − Present**
*BRAC University, Dhaka, Bangladesh*

Courses:
* CSE111: Programming Languages II
* CSE220: Data Structures
* CSE221: Algorithms
* CSE331: Automata & Computability
* CSE341: Microprocessors
* CSE360: Computer Interfacing
* CSE421: Computer Networks
* CSE422: Artificial Intelligence

**Undergraduate Teaching Assistant**           **June 2021 − January 2022**
*BRAC University, Dhaka, Bangladesh*

Courses:
* CSE220: Data Structures
* CSE221: Algorithms

## CERTIFICATIONS

*Neural Networks and Deep Learning*           DeepLearning.AI, Coursera, July 2020
*Introduction to Applied Machine Learning*           Alberta Machine Intelligence Institute, Coursera, July 2020
*Machine Learning Specialization*           University of Washington, Coursera, June 2020

## LANGUAGE PROFICIENCY

**IELTS Score: 7.0**           **October 2023**
*Speaking: 7.0, Listening: 8.0, Reading: 7.0, Writing: 6.5*

## ACHIEVEMENTS

❏ **Participant** in ICPC Dhaka Regional, 2019
❏ Stood **21st in LU CSE Carnival Programming Contest, Sylhet, 2019**
❏ Stood **5th in CSE-ian of BD Programming Contest 7, 2019** (Junior Division)
❏ Appeared in **VC's List 4 times** and **Dean's List 2 times**

## TECHNICAL SKILLS

**Languages**: Python, C/C++, Java, JavaScript, XML, JSON, SQL, MarkDown, LaTeX
**Frameworks**: Tensorflow, Pytorch, CUDA, Git, Spring Boot, Node JS

## CO−CURRICULAR ACTIVITIES

❍ Served as the role of a **Coach** for two teams in **ICPC Dhaka Regional 2022**
❍ Conducted a workshop on **Introduction to Competitive Programming** in **Fall 22**
❍ Acted as a **Representative of Robotics activity** in RS day (**Residential Semester 49, 2018**)