Monirul Haque

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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 Advancing Out-Of-Distribution Bangla Automated Speech Recognition
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**)