

Farzad Ahmed

Ahsanullah University of Science and Technology

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🌐 <https://farzad-1996.github.io>

ResearchGate: <https://www.researchgate.net/profile/Farzad-Ahmed>

Education

Ahsanullah University of Science and Technology

B. Sc. in Computer Science and Engineering

CGPA: 3.923 on a scale of 4.00 (1st in Merit Position)

Dhaka, Bangladesh

Fall 2015 - Spring 2019

Mastermind School

A levels

GPA: 5.00 on a scale of 5.00

Dhaka, Bangladesh

2013 - 2015

Mastermind School

O levels

GPA: 5.00 on a scale of 5.00

Dhaka, Bangladesh

2013

Research Interests

Machine Learning, Deep Learning, Natural Language Processing, Computer Vision & Image Processing

Undergraduate Thesis

Early Depression Detection From Social Network Using Deep Learning Techniques

Supervisor: Mr. Faisal Muhammad Shah, Associate Professor, Dept. of CSE. AUST.

Publications

- Md Tanzim Reza, **Farzad Ahmed**, Shihab Sharar, Annajiat Alim Rasel "**Interpretable Retinal Disease Classification from OCT Images Using Deep Neural Network and Explainable AI**". Published in *International Conference on Electronics, Communications and Information Technology 2021 (ICECIT 2021)*
- Faisal Muhammad Shah, Sajib Kumar Saha Joy, **Farzad Ahmed**, Tonmoy Hossain, Mayeesha Humaira, Amit Saha Ami, Shimul Paul, Md Abidur Rahman Khan Jim Sifat Ahmed. "**A Comprehensive Survey of COVID-19 Detection Using Medical Images**". Published in *SN Computer Science A Springer Nature Journal, 2021*
- Faisal M. Shah, **Farzad Ahmed**, Sajib Kumar Saha Joy, Sifat Ahmed, Samir Sadek, Rimon Shil and Md. Hasanul Kabir. "**Early Depression Detection from Social Network Using Deep Learning Techniques**". Published in *2020 IEEE Region 10 Symposium (TENSYP), 5-7 June 2020, Dhaka, Bangladesh*

Current Projects

1. Image Captioning
2. Explainable Artificial Intelligence for Text and Image.
3. Paraphrasing of Bangla Text.
4. Topic Modelling.

Experience

Lecturer

Department of Computer Science & Engineering
Ahsanullah University of Science and Technology, Dhaka, Bangladesh

January 2021 - Present

Lecturer (Part Time)

Department of Computer Science & Engineering
BRAC University, Dhaka, Bangladesh

January 2020 - December 2020

Technical Skills

Languages: Python, C, C++, C#, JAVA, HTML5, PHP, XML, JavaScript, 80x86 Assembly

Framework: CSS, WebGL

Database: MySQL

Design Tools: Eclipse, NetBeans, Microsoft Visual Studio, PyCharm, Jupyter Notebook

Operating System: Windows, Android

Deep Learning Tools: Keras, Tensorflow

Others: PL/SQL, LaTeX

Awards & Achievements

- "Dean's List of Honor" (based on B.Sc. result)
- Certificate on Presentation at 2020 IEEE Region 10 Symposium (TENSYP), 5-7 June 2020, Dhaka, Bangladesh
- Certificate for completing the courses "Neural Networks and Deep Learning" & "Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization" in Coursera
- Undergraduate admission sub-committee member of 3 consecutive semesters at Ahsanullah University of Science and Technology

Extracurricular Activities

- Advisor of Cefalo CodeFiesta 2022: AUST Inter University Programming Contest
- Organizer at ICCIT 2020: The 23rd International Conference on Computer and Information Technology
- Organizer of Intra-AUST Programming Contest Fall 2018

Reference

Dr. S. M. A. Al-Mamun

Professor & Dean, Faculty of Engineering
Ahsanullah University of Science and Technology
Email: almamun@aust.edu, al_mamun81@yahoo.com