Raihan Tanvir

+880 1832 803540
raihantanvir@outlook.com
https://raihan-tanvir.github.io
https://www.github.com/raihan-tanvir
https://www.linkedin.com/in/raihantanvir

Work Experience

Mar 2022 – Present
Lectuer, Department of Computer Science & Engineering
Stamford University Bangladesh

Jul 2021 – Present
Adjunct Faculty, Department of Computer Science & Engineering
Ahsanullah University of Science & Technology, Dhaka
• Courses: Software Development (ASP.NET MVC) Lab, Assembly Programming Lab, Introduction to Computer Systems Lab

Education

Jun 2021 – Ongoing
MSc. in Computer Science & Engineering
Brac University, Dhaka
• CGPA [*]: 4.00/4.00
• Courses: Advanced Artificial Intelligence, Symbolic Machine Learning-I, Graph Theory, Natural Language Processing, Neural Networks and Fuzzy Systems, Mathematical Programming

Apr 2016 – Jan 2021
BSc. in Computer Science & Engineering
Ahsanullah University of Science & Technology, Dhaka
• CGPA: 3.81/4.00
• Thesis Title: *Jamdani Motif Generation using Conditional Generative Adversarial Networks*
• Supervisor: Mohammad Imrul Jubair, Assistant Professor, CSE, AUST

Research Experience

Conference Proceedings

1 M. T. R. Shawon, **R. Tanvir**, H. F. Shifa, S. Kar, and M. I. Jubair, "Jamdani Motif Generation using Conditional GAN," in *2020 23rd International Conference on Computer and Information Technology (ICCIT)*, Dec. 2020, pp. 1–6. DOI: 10.1109/ICCIT51783.2020.9392654.

Unpublished

1 **R. Tanvir**, M. T. R. Shawon, M. H. K. Mehedi, M. M. Mahtab, and A. A. Rasel, "A GAN-BERT Based Approach for Bengali Text Classification with a Few Labeled Examples," Jan. 2022. [Online]. Available: https://bit.ly/tanvir-gan-bangla-bert.

2 **R. Tanvir**, M. T. R. Shawon, and M. G. R. Alam, "DSE Stock Price Prediction using Hidden Markov Model," Oct. 2021. [Online]. Available: https://bit.ly/tanvir-dsebd-21.

3 M. T. R. Shawon, **R. Tanvir**, and M. G. R. Alam, "Bengali Handwritten Digit Recognition with Explainable AI Method," Sep. 2021. [Online]. Available: https://bit.ly/shawon-bhdr-xai-21.

Skills

Programming Language — Python, C/C++, C#, Java, PHP, MATLAB
Python Libraries — NumPy, Pandas, Matplotlib, SciKit-Learn
DL Frameworks — TensorFlow, Keras, PyTorch
Databases — MySQL, SQLite, Oracle PL/SQL
Web Development — HTML, CSS, JavaScript, ASP.NET MVC-5

Skills (continued)

App Development	Flutter, Android
Version Control & OS	Git, Github, Linux, Windows
Misc.	Academic Research, Teaching, LaTeX

Academic Projects

Aug 2020 **Bengali Handwritten Character Recognition using Transfer Learning**
- Tools: FastAi • Dataset: Ekush

Sep 2019 **Chain Shop Management System** [Distributed Database] [No GUI]
- Tools: Oracle PL/SQL

Feb 2019 **E-Commerce Site using ASP.NET MVC 5**
- Tools: C#, HTML, CSS & MySQL

Arduino Based Human Detector Robot
- Tools: C++ • Hardware: Arduino Mega, DC Motor, PIR Sensor, BT

Aug 2018 **Car Dealer Site using Raw PHP**
- Tools: PHP, HTML, CSS & MySQL

Mar 2018 **Blood Donor Finder – Android App**
- Tools: Android Studio & SQLite

Aug 2017 **Inventory Management System using Java SWING**
- Tools: Java & MySQL

Feb 2017 **First Person Shooting Game using iGraphics**
- Tools: C++

Additional Information

Awards and Scholarships

Jan 2022 **Performance Based Scholarship**, Brac University, Dhaka

Oct 2021 **Performance Based Scholarship**, Brac University, Dhaka

Jan 2021 **Dean's List of Honor**, Ahsanullah University of Science & Technology, Dhaka

Dec 2019 **Performance Based Scholarship**, Ahsanullah University of Science & Technology, Dhaka

May 2013 **SSC Scholarship**, Board of Intermediate and Secondary Education, Chattogram

Massive Open Online Courses

Mar 2020 **Computer Vision Basics**, Coursera

Apr 2020 **Neural Networks and Deep Learning**, Coursera

Convolutional Neural Networks, Coursera

May 2020 **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**, Coursera

Structuring Machine Learning Projects, Coursera

Aug 2020 **Sequence Models**, Coursera

References

Mohammad Imrul Jubair
Assistant Professor, Department of CSE
Ahsanullah University of Science & Technology,
141-142, Love Road, Tejgaon I/A, Dhaka-1208
+880 1722 682783 • jubair.cse@aust.edu

Faisal Muhammad Shah
Associate Professor, Department of CSE
Ahsanullah University of Science & Technology,
141-142, Love Road, Tejgaon I/A, Dhaka-1208
+880 1911 090363 • faisal.cse@aust.edu