

Raihan Tanvir

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🌐 <https://raihan-tanvir.github.io>

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Teaching Experience

- Nov 2022 - Present 📖 **Lecturer**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka
Courses: Algorithms Lab(Fall'22 - Spring'23), Soft Computing Lab (Spring'23), Software Development-I(Spring'23), Artificial Intelligence (Spring'22), Artificial Intelligence Lab (Spring'22 - Fall'22), Operating Systems Lab(Spring'22), Structured Programming Language Lab(Spring'22)
- Mar 2022 - Nov 2022 📖 **Lecturer**, Department of Computer Science and Engineering
Stamford University Bangladesh, Dhaka
Courses: Discrete Mathematics (Summer'22), System Analysis and Design (Summer'22), Visual and Internet Programming (Spring'22)
- Jul 2021 - Oct 2022 📖 **Part-time Faculty**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka
Courses: Computer Networks Lab (Fall'21), Software Development-I (Fall'21), Software Development-V (Fall'20)

Education

- July 2021 – Ongoing 📖 **MSc. in Computer Science and Engineering**
BRAC University, Dhaka, Bangladesh
 - CGPA^{*}: 4.00 on a scale of 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 and Engineering**
Ahsanullah University of Science and Technology, Dhaka, Bangladesh
 - CGPA: 3.81 on a scale of 4.00
 - Thesis: *Jamdani Motif Generation using Conditional Generative Adversarial Networks*
 - Supervisor: Mohammad Imrul Jubair, Assistant Professor, CSE, AUST

Publications

(* denotes equal contribution)

Conference Proceedings

- 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," in *Distributed Computing and Artificial Intelligence, 19th International Conference*, Cham: Springer International Publishing, 2023, pp. 20–30, ISBN: 978-3-031-20859-1. [DOI: 10.1007/978-3-031-20859-1_3](#).

2 M. T. Rouf Shawon*, **R. Tanvir***, and M. G. Rabiul Alam, “Bengali Handwritten Digit Recognition using CNN with Explainable AI,” in *2022 4th International Conference on Sustainable Technologies for Industry 4.0 (STI)*, 2022, pp. 1–6. [DOI: 10.1109/STI56238.2022.10103341](#).

3 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](#).

Preprints

1 R. Tanvir, M. T. R. Shawon, and M. G. R. Alam, *DSE Stock Price Prediction using Hidden Markov Model*, 2023. [DOI: 10.48550/ARXIV.2302.08911](#). [\[Online\]](#). Available: <https://arxiv.org/abs/2302.08911>.

Skills

Programming Language	Python, C/C++, C#, Java, PHP
Frameworks	TensorFlow, Keras, PyTorch
Databases	MSSQL, MySQL, SQLite, Oracle PL/SQL
Version Control System	Git

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 and Technology, Dhaka
Jan 202	Performance Based Scholarship, Ahsanullah University of Science and Technology, Dhaka

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

Dr. S.M.A. Al-Mamun
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Md. Khairul Hasan
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