

Raihan Tanvir

✉ raihantanvir@outlook.com

🌐 <https://raihan-tanvir.github.io>

🌐 <https://www.github.com/raihan-tanvir>

🌐 <https://www.linkedin.com/in/raihantanvir>

Research Interest

Computer Vision, Natural Language Processing, Explainable Artificial Intelligence, Semi-supervised Learning, Federated Learning.

Education

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)

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.


Teaching Experience

Mar 2024 - Present 📖 **Senior Lecturer**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka
Courses: Numerical Methods and Computer Programming, Soft Computing





Nov 2022 - Mar 2024 📖 **Lecturer**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka
Courses: Algorithms, Artificial Intelligence, Soft Computing, Structured Programming Language, Software Development-I

Mar 2022 - Nov 2022 📖 **Lecturer**, Department of Computer Science and Engineering
Stamford University Bangladesh, Dhaka
Courses: Discrete Mathematics, System Analysis and Design, Visual and Internet Programming, Operating Systems

Teaching Experience (continued)



Jul 2021 - Oct 2022  **Part-time Faculty**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka
Courses: Computer Networks, Software Development-I, Software Development-V

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 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
Professor, CSE and Director, ICT Center
Ahsanullah University of Science & Technology
Email: almamun@aust.edu

Md. Khairul Hasan
Associate Professor, CSE
Ahsanullah University of Science & Technology
Email: khairul271276@aust.edu