

Raihan Tanvir

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Research Interest

Computer Vision, Generative Adversarial Network, Semi Supervised Learning, Image Processing, Natural Language Processing, Explainable Artificial Intelligence, Machine Learning Application, Deep 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


- 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.

(* denotes equal contribution)





Teaching Experience

- Nov 2022 - Present 📖 **Lecturer**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka, Bangladesh
Courses: Artificial Intelligence (Spring’22, Fall’22), Algorithms (Fall’22), Operating Systems (Spring’22), Structured Programming Language (Spring’22)
- Mar 2022 - Nov 2022 📖 **Lecturer**, Department of Computer Science and Engineering
Stamford University Bangladesh, Dhaka, Bangladesh
Courses: Discrete Mathematics (Summer’22), System Analysis and Design (Summer’22), Visual and Internet Programming (Spring’22)

Teaching Experience (continued)





Jul 2021 - Oct 2022  **Adjunct Faculty**, Department of Computer Science and Engineering
Ahsanullah University of Science and Technology, Dhaka, Bangladesh *Courses: Computer Networks Lab (Fall'21), Software Development-I (Fall'21), Software Development-V (Fall'20)*

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, Bangladesh
Oct 2021  **Performance Based Scholarship**, Brac University, Dhaka, Bangladesh
Jan 2021  **Dean's List of Honor**, Ahsanullah University of Science and Technology, Dhaka, Bangladesh
Dec 2019  **Performance Based Scholarship**, Ahsanullah University of Science and Technology, Dhaka, Bangladesh

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 and Director, ICT Center

Ahsanullah University of Science and Technology

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Mohammad Imrul Jubair

Assistant Professor, Department of CSE

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