

MD NAZRUL ISLAM

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[Google Scholar](#) | [ResearchGate](#) | [LinkedIn](#)

Research Interests:

- NLP, LLMs, Vision Language, Security and Privacy of LLMs, Explainable AI.

Education:

Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh	January 2018 - February 2023
<ul style="list-style-type: none">• B. Sc. in Computer Science & Engineering• CGPA: 3.68 out of 4.00 (Ranked in the top 20% in the Department of Computer Science and Engineering (CSE) at KUET.)	

Professional Experience:

Lecturer at CSE Department	February 2024 - Onwards
<ul style="list-style-type: none">• Southeast University, Dhaka, Bangladesh	
Lecturer at CSE Department	July 2023 - February 2024
<ul style="list-style-type: none">• Uttara University, Dhaka, Bangladesh	
Part-time Lecturer at CSE Department	March 2023 - July 2023
<ul style="list-style-type: none">• Central University of Science and Technology, Dhaka, Bangladesh	

Standardized Test Scores:

IELTS Academic, Exam: 11 October 2024 – Overall Band Score: 7.5
<ul style="list-style-type: none">• (Listening: 7.5, Reading: 8.0, Writing: 6.5, Speaking: 7)• IELTS Reference number: <i>A3-BD001-A-12054929</i>, TRF number: <i>24BD507339ISLM001A</i>

Publications:

Journals:

1. Ovishake Sen, Mohtasim Fuad, **Md Nazrul Islam**, Jakaria Rabbi, Mehedi Masud, Md Kamrul Hasan, Md Abdul Awal, Awal Ahmed Fime, Md Tahmid Hasan Fuad, Delowar Sikder, Md Akil Raihan Iftee. “[Bangla natural language processing: A comprehensive analysis of classical, machine learning, and deep learning-based methods.](#)” *IEEE Access* 10 (2022): 38999-39044.
2. Md Tahmid Hasan Fuad, Awal Ahmed Fime, Delowar Sikder, Md Akil Raihan Iftee, Jakaria Rabbi, Mabrook S Al-Rakhami, Abdu Gumaei, Ovishake Sen, Mohtasim Fuad, **Md Nazrul Islam**. “[Recent advances in deep learning techniques for face recognition.](#)” *IEEE Access* 9 (2021): 99112-99142.

Conferences:

1. Towsif Ahamed, **Md Nazrul Islam**, SM Taslim Uddin Raju, MMA Hashem. “[Blood Donor Arrival Forecasting Using Regression Model and Analysis of Donor Behavioural Pattern.](#)” In *2022 25th International Conference on Computer and Information Technology (ICCIT)*, pp. 897-902. IEEE, 2022.

Honors and Achievements:

- Ranked **10th** globally and **1st** among Bangladeshi teams in the *Indian Rover Design Challenge (IRDC) 2020* organized by *Mars Society South Asia (MSSA)* as a member of “**Team Durbar**” from **KUET**.
- Enlisted for the **Dean’s Award** by the Faculty of Electrical and Electronic Engineering in the academic year **2018-2019** and **2019-2020** respectively from **KUET**.

Certifications:

1. “[Deep Learning Specialization](#)” from DeepLearning.AI, Coursera
2. “[DeepLearning.AI TensorFlow Developer Professional Certificate](#)” from DeepLearning.AI, Coursera
3. “[Machine Learning Specialization](#)” from Stanford University, Coursera

Projects:

- [Simulation of Season Change using OpenGL](#) | 2022 | OpenGL, C++
 - The project contains a 3D scene of a village where the change of season is shown. The scene is developed using textures, lighting properties and shading.
- [Blood Transfusion System](#) | 2021 | Java, OSM, Firebase, Android Studio
 - The android application is built by maintaining traditional software development methods. It is constructed keeping in mind the Blood Transfusion Unit.
- [Animal World](#) | 2021 | Python, OpenCV, Matplotlib
 - A simple simulation of three animals' ecosystems has been developed for AI Lab.
- [Cinema Hall Booking System](#) | 2021 | HTML, CSS, ASP dot net
 - A website is built using ASP.net for booking or buying movies and making payments.
- [Mini Compiler](#) | 2021 | C, CPP, Flex, Bison
 - It is a simple compiler where basic arithmetic and logical operations are implemented together with for and while loops. Also, the function definition is present.
- [Shop management](#) | 2019 | C++
 - A program uses the concept of OPP to manage the shop inventory.

Technical Skills:

- *Programming Languages:*
 - C++, Java, Python
- *Machine Learning Toolkit:*
 - TensorFlow, Keras, NumPy, SciPy, Scikit-learn, Pandas, OpenCV
- *Framework and Application Toolkits:*
 - Android Studio, Cisco Packet Tracer, Debian Based Linus Distros
- *Version Control and Documentation Preparation Tools:*
 - Git, Latex, Overleaf

Programming Activities:

- Codeforces
 - Handle: [nz_nAJn](#), 185+ problems solved

Leadership and Volunteer Experience:

- Vice President (March 2022-March 2023)
 - Hardware Acceleration Club of KUET (HACK), KUET
 - Managed club activities, organized events, and conducted workshops on commonly used microcontrollers
- Senior Programmer (September 2020-December 2022)
 - Software Sub-Team, KUET Mars Rover, Team Durbar, KUET
 - Contributed to the computer vision component, including the development of a lightweight Convolutional Neural Network (CNN) for object recognition.
- Junior Programmer (March 2019- September 2020)
 - Software Sub-Team, KUET Mars Rover, Team Durbar, KUET
 - Worked with Arduino and Raspberry Pi to implement key systems for the Mars Rover.

References:

Provide on request.