

PERSONAL INFORMATION



MD. MUSFIQUR RAHMAN

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Sex Male | Date of birth 11/02/2002 | Nationality Bangladeshi

ABOUT ME

I'm Md. Musfiqur Rahman (Tuhin), an AI and Data Science enthusiast with a strong research background and a passion for crafting impactful, human-centric solutions. My unique blend of deep learning expertise and graphic/web design experience drives me to innovate across technology and social initiatives.

EDUCATION

2021 - October 2025
(Expected)

Bachelor of Science in Computer Science and Engineering

United International University (UIU), Dhaka, Bangladesh

- **EQF Level:** Bachelor's (Level 6 equivalent)
- **Major:** Data Science
- **Current CGPA:** 3.01 out of 4.00 (as of July 2025)
- **Credits Completed:** 118 out of 137 (currently completing final 19 credits)
- **Key Coursework:** Machine Learning, Data Mining, Digital Image Processing, Computer Security, Operating Systems, Artificial Intelligence, Database Management Systems, Software Engineering, Computer Networks, Theory of Computation.
- **Final Year Design Project (FYDP):** Champion of the FYDP-I CSE Project Show (Fall 2024 UIU) for "Rice Disease Detection & AI Based Pesticide Recommendation System." This 3-trimester course (Final Year Design Project - I, II, & III) involved developing AI solutions from proposal to implementation, focusing on project management, ethical leadership, sustainability, and solving a complex engineering problem.
- **Research & Publications:** Authored and co-authored 2 peer-reviewed papers published (IEEE Xplore, Springer Nature), and 1 paper conditionally accepted for IEEE QPAIN 2025 ("Bengali Fake News Detection: A Multi-Layered LSTM Ensemble Approach," likely for IEEE Xplore Digital Library and Scopus indexing). These demonstrate strong research aptitude in AI and data analysis.

2018 - 2020

Higher Secondary Certificate (HSC)

Border Guard Public School & College, Sylhet, Bangladesh

- Group: Science
- GPA: 5.00 / 5.00

2010- 2018

Secondary School Certificate (SSC)

Habiganj Govt. High School

- Group: Science
- GPA: 4.83 / 5.00

WORK EXPERIENCE

May 20, 2024 - November
26, 2024

Intern, Graphic Design Department

Youth School for Social Entrepreneurs (YSSE), Dhaka, Bangladesh

- Contributed to designing impactful visual content for social entrepreneurship initiatives.
- Gained practical experience in a professional design environment, adhering to project timelines.

2022 — Present

Independent Freelancer (Graphic & Web Designer)

Self-employed (Clients from own network)

- Delivered comprehensive graphic design solutions (e.g., mind maps, presentations, brand identities, book/magazine layouts, company profiles).
- Developed diverse web projects (e.g., Perlezza e-commerce, Lesil organization site, FizzBrush service site using WordPress, HTML, CSS, JS).

April 23, 2022 - April 22,
2024

Level 1 Freelancer (Graphic Design)

Fiverr (Online Platform)

- Successfully delivered over 20 graphic design projects for international clients, maintaining a 5-star rating.

PUBLICATIONS

- IEEE QPAIN 2025 (Accepted) **Bengali Fake News Detection: A Multi-Layered LSTM Ensemble Approach**
- Authors: Susmita Roy Rinky, Md. Mahbubur Rahman Tusher, Md. Musfiqur Rahman, Prithweeraaj Acharjee Porag, Jahidul Islam, Abu Saleh Musa Miah.
 - Possible inclusion in IEEE Xplore, indexed by Scopus
 - IEEE International Conference on Quantum, Photonic and AI in Networks (QPAIN 2025)
- IEEE Xplore **Plant Disease Recognition from the Perspective of Bangladesh: A Comparative Study of Deep Learning Models and Ensemble Techniques**
- Authors: Md. Musfiqur Rahman, Md Mahbubur Rahman Tusher, Susmita Roy Rinky, Junaid Rahman Mokit, Sudipa Biswas
 - 4th International Conference on Electrical, Computer and Communication Engineering (ECCE 2025)
 - Link: <https://ieeexplore.ieee.org/document/11013222>
- Springer Nature **A Comparative Analysis of Various Deep Learning Models for Traffic Signs Recognition from the Perspective of Bangladesh**
- Authors: Md. Mahbubur Rahman Tusher, Hasan Muhammad Kafi, Susmita Roy Rinky, Muhiminul Islam, Md. Musfiqur Rahman
 - 2nd International Conference on Big Data, IoT, and Machine Learning (BIM 2023)
 - Link: https://link.springer.com/chapter/10.1007/978-981-99-8937-9_37

Projects

- Software Development & AI Applications
- Rice Disease Detection & AI Based Pesticide Recommendation System (Ongoing)**
- Team Lead (Dataset Collection, CNN Model Development)
- Real-Time IoT-Enhanced Machine Learning for Methane Emission Mitigation in Rice Fields (Ongoing)**
- Lead Researcher (Historical Dataset Build, ML Model Development)
- Bangla DressNet: A CNN-based Recognition System for Traditional Bangladeshi Clothing (Ongoing)**
- Lead Researcher (Model Development)
- Vision Transformer based Ensemble Model for Face and Emotion Recognition (Ongoing)**
- ML Model Developer
- Hybrid Deep Learning and Texture-Based Analysis for Brain Tumor, Alzheimer's, and Parkinson's Detection from MRI (Ongoing)**
- Research Contributor (Methodology)
- Human-Like Road Defect Detection: A Transfer Learning Framework with MCP-Base Multi-Query Decision Agent (Ongoing)**
- Team Lead (Dataset Collection from UK/Qatar, Transfer Learning & MCP Implementation)
- Cseasy: Bangla CSE Content Platform (Completed)**
- PHP Coding & Content Generation
- BhangariWala: Recyclable Product Pickup & Selling Platform (Completed)**
- TypeScript Coding & Content Generation
- Coders Q&A Platform (Completed)**
- TypeScript Developer (Front-end)
- Java Chatting and Gaming Platform (Completed)**
- System Design & Coding
- Car Rental Platform (Completed)**
- React Developer (Front-end)
- Human Skin Type Classification with Image Processing (Completed)**
- CNN Model Developer
- Hardware & Embedded Systems Projects
- Waste Garbage Sorting System (Completed)**
- Arduino Programmer & Hardware Assistant
- Advanced Authentication System (Completed)**
- Embedded Systems Programmer & Hardware Assistant

HONOURS AND AWARDS

- Champion, Final Year Design Project-I, UIU CSE Project Show (Fall 2024)**
- Winner, Infographic Design Competition (Team D)**
Organizer: Graphic Design Department, Youth School for Social Entrepreneurs (YSSE)
- Level 1 Freelancer Status on Fiverr:** Achieved through consistent high-quality work and exceptional client satisfaction (5-star rating across 20 projects).

VOLUNTEERING

I have been actively involved in volunteering and community development from a young age. Since 2020, I have been serving as the Founder and President of the Muktanchal Literary Practice Center, Habiganj, where I have worked passionately to promote reading and writing habits among youth. Under my leadership, we have organized numerous programs and competitions, including three national-level literature festivals. I am also a registered posthumous eye donor with Eye Donation Society, Eye Donation BD. Prior to this, between 2015 and 2020, I held leadership roles in multiple organizations such as Ovizatri, Tarunno Society, Swopnojatra Society, Hand for Help, and Odhivorsho Society, contributing to various social and cultural initiatives. From 2015 to 2017, I served as a Child Journalist for the National Children's Task Force (NCTF), Habiganj, an initiative supported by Save the Children and Plan International. My journey of volunteering began even earlier, when I served as a Patrol Leader in the Bangladesh Scouts, Habiganj Government High School Unit, from 2013 to 2018, where I learned the values of teamwork, responsibility, and service.

PERSONAL SKILLS

Mother Tongue Bengali

Other Language English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

(Self-assessed according to CEFR scale; supported by academic & professional use)

- Communication Skills
- Effective public speaker with experience conducting events and workshops.
 - Strong interpersonal skills developed through volunteering and leadership roles.

Digital Competence

SELF-ASSESSMENT				
Information Processing	Communication	Content Creation	Safety	Problem Solving
Proficient	Proficient	Proficient	Independent	Independent

Technical SKILLS

Programming & Development

Python, Java, C, C++, TypeScript, JavaScript, HTML, CSS, PHP, MySQL

Frameworks & Libraries
ML & Data ScienceReact, TensorFlow, Keras, PyTorch, scikit-learn, OpenCV, NumPy, Pandas, Matplotlib
Jupyter Notebook, Google Colab, Kaggle, LabelImg, Roboflow, NLP, Transfer Learning, ViTUI/UX & Design
Web & CMSFigma, Adobe Photoshop, Illustrator, Canva, PowerPoint
WordPress (theme customization, plugin integration)Documentation & Tools
Version ControlMicrosoft Office, Google Docs, LaTeX
Git, GitHub**REFERENCES**

- Dr. Mohammad Nurul Huda**
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United International University
Room: 433 (A), PABX: 3103
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- Dr. Md. Motaharul Islam**
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