

MD. MUSFIQUR RAHMAN

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● Education

🎓 B.Sc. in Computer Science & Engineering
🏛️ United International University

- 📊 CGPA: 3.00 / 4.00 (Expected Graduation: November 2025)
- 📋 Credits Completed: 123 / 137 (Major: Data Science)

● Publications & Awards

- **Plant Disease Recognition from the Perspective of Bangladesh: A Comparative Study of Deep Learning Models and Ensemble Techniques** — Published at *IEEE Xplore*, Conference: ECCE 2025.
 - Early detection prevents crop loss.
 - Ensemble model achieves 95% accuracy.
- **A Comparative Analysis of Various Deep Learning Models for Traffic Signs Recognition from the Perspective of Bangladesh** — Published at *Springer Nature*, Conference: BIM 2023.
 - Built a novel Bangladeshi traffic sign dataset (2K+ images, 13 classes)
 - Evaluated 9 models; ViT achieved 99.91%.
- ☑ Supervisor: [Hasan Muhammad Kafi](#), Assistant Professor, BAUST.
- **Bengali Fake News Detection: A Multi-Layered LSTM Ensemble Approach** — Published at *IEEE Xplore*, Conference: QPAIN 2025.
 - Detect misinformation in mainstream Bangladeshi media.
 - Multi-layer LSTM ensemble achieving 82.43% accuracy.
- ☑ Supervisor: [Dr. Abu Saleh Musa Miah](#), Assistant Professor, BAUST.
- **Champion, Final Year Design Project-I (RiceResQ: Rice Disease Detection and AI based Pesticide Recommendation)** — Fall 2024.
 - Real-time rice disease detection and pesticide guidance.
 - AI-based detection pipeline for on-field recommendations.
- ☑ Supervisor: [Dr. Mohammad Nurul Huda](#), Professor, UIU.

● Research Projects

- **A Reproducible Benchmark for Prompt Injection Vulnerability Assessment in Small-to-Medium Language Models**
 - Standardized framework for prompt-injection assessment with 2,250 model-prompt tests and dual-judge eval. (Submitted at *ICCIT 2025*)
- ☑ Supervisor: [Mir Moynuddin Ahmed Shibly](#), Assistant Professor, UIU.
- **Predictive and Economic Assessment of Methane Emissions from Bio-Slurry Amended Systems using Ensemble Machine Learning**
 - Predicts methane emissions; ensemble ML achieves $R^2 = 0.66$ and 69% classification using SHAP features. (Submitted at *STI 2025*)
- **Deep Learning-Based Recognition of Recaptured Images for Digital Media Authentication**
 - Detects recaptured images; DenseNet201/Xception reach 99% on RGB and Canny inputs. (Submitted at *ICCIT 2025*)
- **Stacked and Super-Ensembled CNNs on BanglaFoodNet for Fine-Grained Food Classification**
 - Hierarchical super-ensemble (EfficientNetB1/DenseNet121/ResNet50), 98.13% acc for Bengali food recognition. (Submitted at *ICCIT 2025*)
- **Multi-Level Ensemble Learning for Fine-Grained Classification of Traditional Bangladeshi Dress Using Deep Transfer Models**
 - Fine-grained Bangladeshi dress classification; ensemble learning achieves 96.75% accuracy. (Submitted at *EICT 2025*)
- **A Comparative Study of Deep Learning Models and Ensemble Techniques for Human Skin Type Classification**
 - Human skin type classification; ensemble learning achieves 86.91% accuracy. (Submitted at *EICT 2025*)
- ☑ Supervisor: [Raiyan Rahman](#), Lecturer, UIU.

● Relevant Coursework

Machine Learning	Data Mining
Image Processing	Artificial Intelligence
Language Processing	Computer Security
Operating Systems	Database Management
Web Programming	Deep Learning
Computer Networks	Software Engineering

● Technical Skills

Languages: Python, Java, C, C++, TypeScript, JavaScript, HTML/CSS, PHP, SQL

Frameworks / ML: TensorFlow, PyTorch, Keras, scikit-learn, OpenCV, ViT, Transformers

Tools: Git, Colab, Roboflow, LabelImg, Docker (basic), Linux (Ubuntu)

Design: Illustrator, Figma, Canva

● Selected Technical Portfolio

- **Level 1 Freelancer (Graphic Design)** — **Fiverr**
 - Completed 20+ international design projects with consistent 5/5 star client ratings and repeat collaborations.
 - Fiverr Profile: 🌐 <https://www.fiverr.com/musfiqur>
- **Intern, Graphic Design Dept.** — **Youth School for Social Entrepreneurs**
 - Created visual content for entrepreneurship campaigns, maintaining brand consistency and meeting deadlines.
 - Contact: ☑ [Sheikh Mohammad Yousuf](#), President, YSSE
- **Independent Freelancer (Graphic & Web Designer)**
 - Delivered end-to-end branding and website design solutions for clients across multiple industries.
 - Portfolio: **Bé** <https://www.behance.net/musfiqurtuhin>

● Software & Hardware Projects

- CSeasy: Bangla CSE Content Platform — PHP Coding & Content Dev.
- BhangariWala: Recyclable Pickup & Selling Platform — TypeScript Dev.
- Coders Q&A Platform — Front-End (TypeScript)
- Java Chat & Gaming Platform — System Design & Coding
- Car Rental Platform — Front-End (React)
- Waste Sorting System — Arduino Programming & Hardware
- Advanced Auth System — Embedded Programming & Hardware

Also designed multiple WordPress websites and custom HTML, CSS, and JavaScript sites for various clients and projects.

● Leadership & Volunteering

- **Founder, Muktantchol Sahittya Chorchha Kendro** 2020 – Present
Organized 50+ literature festivals, book reading & writing seminars, workshops, and cultural events.
- **Founder General Secretary, Ovizatri** 2016 – 2020
Led social service initiatives on blood donation, poverty relief, tree plantation, etc.
- **Child Journalist, National Children's Task Force** 2015 – 2017
Reported on child rights and advocacy campaigns in collaboration with National Shishu Academy and international partners such as Plan International and Save the Children.
- **Patrol Leader, Bangladesh Scouts, Habiganj Govt. High School Unit** 2013 – 2018
Guided peers in leadership and community service.