Mr. Sadman Sharif

Lecturer

Department of Innovation & Entrepreneurship

Faculty of Business & Entrepreneurship

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PROFILE

? Computer Science researcher and educator based in Dhaka. I am finishing my MSc at BRAC University where I also completed my BSc with Highest Distinction. My work sits at the intersection of software engineering and AI with a focus on building trustworthy systems. ? I started out doing research in deep learning for medical imaging. These days my focus is on large language models. ??? As a Lecturer I teach Machine Learning, Data Science and AI. On the industry side I have worked on OCR, computer vision and frontend development. ? Happy to connect with anyone working in AI, software engineering or education.

Research Interests: Deep Learning, Computer Vision, Medical Image Analysis, Model Compression, Efficient Neural Networks, Machine Learning, Natural Language Processing, Large Language Models, Data Science, Data Analytics, Parallel Computing, Explainable Artificial Intelligence, Network Security, Data Steganography, Inventory Management

EXPERIENCE

Adjunct Lecturer — BRAC University
Jun 2025 – Sep 2025

Technology Intern — BRAC Bank PLC
Oct 2024 – Jan 2025

Frontend Web Developer — Spectrum Engineering
May 2024 – Aug 2024

Student tutor — BRAC University
May 2023 – Dec 2023

DIU

PUBLICATIONS (6)

1. Layerwise sparsity allocation in convolutional neural networks via a linear-chain CRF energy model *(Proceedings of the 4th International Conference on Computing Advancements (ICCA 2026))* · 2026
2. Beyond Pandas: A Dask-based parallel pipeline for large-scale synthetic data generation *(Proceedings of the 4th International Conference on Computing Advancements (ICCA 2026))* · 2026
3. Detecting Different Stages of Alzheimer's Disease from MRI Images using Deep Learning and Computer Vision Techniques *(4th International Conference on Electrical, Computer, and Communication Engineering (ECCE 2025))* · 2025
4. Probe-reliability and architectural compensation in CNN channel pruning *(Lecture Notes in Networks and Systems. Springer Nature.)* · 2026
5. Covert data transmission using secret sharing and ARP network steganography *(Taylor & Francis)* · 2026
6. Adaptive alarm threshold prediction in 4G mobile networks: A percentile-guided deep learning framework with interpretable outputs *(arXiv)* · 2026

TEACHING AREAS

Artificial Intelligence for Business | Data Science & Cyber Security for Business | Computer Fundamentals | Managing the Innovation | Data Visualization for Business Analytics | Data Structures | Robotics | Numerical Methods | Computer Graphics

EDUCATION

Master of Science
BRAC University · 2026
Result: 3.95 / 4.0

Bachelor of Science
BRAC University · 2024
Result: 3.91 / 4.0

SKILLS

IELTS | Data Visualization using Python | Artificial Intelligence for Business | Excel

MEMBERSHIPS

Member · Institute of Electrical and Electronics Engineers
· International

Member · BRAC University Computer Club
· Local

AWARDS & HONORS

Vice Chancellor's List

Dean's List

Highest Distinction Award

Certificate of Appreciation
Dhaka International University · 2026

Certificate of Contribution
· 2025

LINKS

LinkedIn | Google Scholar | ORCID | YouTube | ResearchGate