

Muhammad Mahbub Sarwar Shafi

Lecturer, Department of Computer Science & Engineering

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Career Objective

Dedicated and research-oriented academic professional currently serving as a Lecturer in the Department of Computer Science & Engineering at Bangladesh University of Business & Technology (BUBT). I hold a Bachelor of Science degree in Information & Communication Engineering from Bangladesh University of Professionals (BUP) and am currently pursuing my M.Sc. in the same field. My academic interests include machine learning, explainable artificial intelligence, data-driven applications, and web technologies. With teaching, research, and full-stack web development experience, I aim to contribute to quality education, student development, and impactful research in Computer Science and Engineering.

Academic Qualifications

Master of Science in Information & Communication Engineering Bangladesh University of Professionals CGPA: 3.79	On Going
Bachelor of Science in Information & Communication Engineering Bangladesh University of Professionals CGPA: 3.89	2024
Higher Secondary Certificate (Science) Dhaka Board GPA: 4.83	2019
Secondary School Certificate (Science) Dhaka Board GPA: 5.00	2017

Professional Experience

Lecturer <i>Department of Computer Science & Engineering, Bangladesh University of Business & Technology</i> Responsible for conducting undergraduate-level academic activities, delivering lectures, preparing course materials, guiding students, evaluating academic performance, and contributing to departmental academic responsibilities.	July, 2025 – Present
Teaching Assistant <i>Bangladesh University of Professionals</i> Assisted faculty members in academic instruction, laboratory support, student mentoring, class activities, academic evaluation, and course-related administrative tasks.	August, 2024 – June, 2025

Research Interests

- Machine Learning and Deep Learning
- Explainable Artificial Intelligence
- Medical Image Analysis
- Sentiment Analysis and Natural Language Processing
- Data-driven Web Applications

Publications

An Explainable Ensemble Learning Framework for Brain Tumor Classification Using Pre-trained Models and XAI Techniques

Journal of FST

Issue: 1, Year: 2025

Co-author: Jannatul Ferdous Mirza

Sentiment Classification in Movie Reviews Through a Comparative Analysis of Machine Learning Models

Journal of FST

Issue: 1, Year: 2025

Co-authors: Jannatul Ferdous Mirza, Saeed Hossain Moheb

Technical Skills

Programming Languages	C, C++, Java, Python, JavaScript
Web Technologies	HTML, CSS, Tailwind CSS, React.js, Node.js, Express.js
Database	MongoDB, MySQL
Tools and Platforms	Git, GitHub, VS Code, Google Colab, Overleaf
Research Tools	Machine Learning, Deep Learning, XAI Techniques, Data Analysis

Honors and Awards

- **BUP Scholarship**, Bangladesh University of Professionals, 2023
Received BUP Scholarship for academic excellence and standing among the top students in the batch.
- **Dean's Appreciation**, Bangladesh University of Professionals, 2023
Received Dean's Appreciation for achieving GPA 4.00 out of 4.00 in final semesters of undergraduate study.
- **BUP Scholarship**, Bangladesh University of Professionals, 2022
Awarded for excellent academic performance.
- **BUP Scholarship**, Bangladesh University of Professionals, 2021
Awarded for maintaining strong academic results.
- **First Runner-Up, IEEE International Idea Contest**, IEEE Bangladesh Section, 2020
Secured First Runner-Up position in the International Covid-19 Congress Idea Contest 2020 by presenting a software application business model.

Courses Taught

- Database Systems
- Web Engineering
- System Analysis and Design
- Computer Fundamentals

References

Dr. Mohammad Abu Yousuf
Vice Chancellor
Bangladesh Digital University
Kaliakair, Gazipur-1750, Bangladesh

Dr. Mohammed Nasir Uddin
Professor, Department of ICT
Bangladesh University of Professionals
Mirpur Cantonment, Dhaka-1216