



Curriculum Vita
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Instructor: Afsana Rahman Mou, PhD

Academic Department: Computer Science & Information Systems

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EDUCATION

- *PhD in Computer and Information Science, University of Arkansas at Little Rock, 2023.*
- *MS in Computer Science, University of Arkansas at Little Rock, 2022.*
- *BSc in Electrical & Electronic Engineering, Chittagong University of Engineering & Technology, 2018.*

TEACHING EXPERIENCE

- *Sep 2026 – Present, Instructor, East Texas A&M University*
- *Jan 2021 – Present, Instructor, NVIDIA Deep Learning Institute*
- *July 2024 - Dec 2025, Data Scientist, Sequaretek Inc*
- *Feb 2024 - Aug 2024, NSA Cybersecurity Workforce Certificate Program*
- *Jan 2021 - Dec 2023, Graduate Assistant, University of Arkansas at Little Rock*

PUBLICATIONS

- Mou, A., Milanova, M., & Baillie, M. (2022). Deep Learning Approaches for Classroom Audio Classification Using Mel Spectrograms. In International Workshop on New Approaches for Multidimensional Signal Processing.
- Mou, A., Milanova, M., & Baillie, M. (2022). Active Learning Monitoring in Classroom Using Deep Learning Frameworks. In International Conference on Pattern Recognition.
- Mou, A., & Milanova, M. (2024). Performance Analysis of Deep Learning Model-Compression Techniques for Audio Classification on Edge Devices. Sci, 6(2), Article 21.
- Mou, A. R., Milanova, M., & Piya, S. S. (2023). Intelligent Traffic Control System Using YOLO Algorithm for Traffic Congested Cities. In 2023 Congress in Computer Science, Computer Engineering, & Applied Computing (CSCE).
- Sultana, S., Hossen, M. H., Islam, M. J., Ahmed, J., Mou, A., et al. (2023). Detection, Reduction and Filtration of Cancer Cells Through a New DNA Polymerization Sequence Approach. North American Academic Research.