

Zarin Tasnim Shejuti

2001 South Main Street ■ Winston-Salem, NC 27127

Contact: zshejuti123@rams.wssu.edu ■ 617-216-4720

Websites: [Portfolio](#) ■ [LinkedIn](#)

Objective

Motivated to pursue a career in data science and analytics with a strong interest in AI, machine learning, edge computing, and large language models. Eager to apply data-driven solutions to real-world problems, contribute to innovative projects, and continuously expand my technical skills in dynamic IT environments.

Education

- Winston-Salem State University, Winston-Salem, NC
Masters of Science in Computer Science and Information Technology, (Spring 2024 – Ongoing), GPA = 4.0/4.0 (2 Semesters)
- Ahsanullah University of Science and Technology, Dhaka, Bangladesh
Bachelor of Science, Computer Science and Engineering, June 2018, GPA = 3.889/4.0 (Ranked 4 in Dean's Ranking)

Professional Experience

Winston-Salem State University, Winston-Salem, NC

Spring 2024 – Continued

Research Assistant

- Conducting research on the project “Mining Mobile Crowdsensing to Optimize Community Health Clinic Management” under the NSF grant number 2131100.

The Center for Applied Data Science (CADS) at WSSU, Winston-Salem, NC

Graduate Research Assistant

Summer 2024 – Continued

- Worked for a Journal (i.e., creating GitHub Repository for AI Ethics Modules and data analysis for the paper) as a part of Winston-Salem State University's Center for Applied Data Science (CADS) Faculty Adopter program 2023-2024.
- Developing chatbot using RAG for MODTRAN user manual as a part of NASA's MUREP Data Science Equity Project

Winston-Salem State University, Winston-Salem, NC

Client Support Student Assistant

Summer 2025

- Assisted students with account access, password resets, and authentication issues
- Responded to help desk tickets via phone, email, and in-person

AUC Data Science Initiative, Atlanta, Georgia

15th July 2024 – 19th July 2024

Research Mentor

- Guided a team of undergraduate students during the program and provided a daily report to the instructor on the project's progress. During the program, we worked on the “Comparative Sediment Mapping of Summer Flounder and Tonguefish Over the Past 50 Years: A Study of the Chesapeake Bay” project using RStudio.

Ahsanullah University of Science and Technology, Dhaka, Bangladesh

November 2021 – January 2024

Senior Lecturer

Subjects: Database, Distributed Database System, Digital Logic Design

- Conducted theory and sessional classes for Computer Science Department undergraduate students.
- Assisted students' projects and research work.

Daffodil International University, Dhaka, Bangladesh

January 2019 – November 2021

Lecturer

Subjects: Computer Graphics, Object Oriented Programming

- Conducted theory and sessional classes for Computer Science Department undergraduate students.
- Prepared lecture slides.
- Guided and advised freshman throughout their study period at the university.

Honors, Awards, & Certifications

- National Science CISE Fellow (Spring 2024)
- University Dean's List (June 2018)

Computer Software Proficiencies

- Programming Languages: Python, Java, PL/SQL, C, C++, C#, PHP, HTML5, CSS3, Assembly, Prolog
- Tools/ Frameworks: Jupyter Notebook, TensorFlow, PyTorch, Scikit-learn, Langchain, Visual Studio, NetBeans, Android Studio, MS SQL, MATLAB, Cisco Packet Tracer, MS Office

Publication

- Shejuti, Z. and Fuad, M. (2025), Real-Time Posture Classification on Resource-Constrained Runtime Environments: A Comparative Study of Traditional and Deep Learning Models, IEEE South East Conference, March 2025, IEEE Press, Concord, USA, [Link](#).
- Zarin T. Shejuti, Debzani Deb, Emily R. Dunkel, “Enhancing Accessibility to MODTRAN Documentation: A Chatbot Framework Using Retrieval-Augmented Generation (RAG)”, (Short Paper), IEEE South East Conference, March 2025, IEEE Press, Concord, USA, [Link](#).

Language Proficiencies

- Bengali
- English (IELTS – 7.0)