Syeda Sabrina Akter

CONTACT INFORMATION	George Mason University 4400 University Drive Fairfax, Virginia 22030	Personal Website 571-373-7109 sakter6@gmu.edu

RESEARCH INTERESTS
Large Language Models, Text and Framing Analysis, Low-Resource and Multilingual NLP, Speech Recognition, Speech Translation, Language Documentation.

EDUCATION

George Mason University, Fairfax, VA

Ph.D., Computer Science, 2021-2025 (Expected)
- Advisor: Antonios Anastasopoulos, Ph.D, Assistant Professor

Bangladesh University of Professionals, Dhaka, Bangladesh

B.Sc, Computer Science and Engineering, January 2018
- Bachelor Thesis: *Development of a Machine Learning Framework for Sorting and Classifying Unstructured Data from Resumes*
- Advisor: Hasan Sarwar, Ph.D
- Cumulative GPA: 3.70/4.00

RESEARCH EXPERIENCE

Research Assistant — May 2023 – August 2023
George Mason NLP Lab
George Mason University
Supervisor: Antonios Anastasopoulos, Ph.D.

Graduate Researcher — June 2021 – Present
George Mason NLP Lab
George Mason University
Supervisor: Antonios Anastasopoulos, Ph.D.

Research Assistant — May 2022 – August 2022
George Mason NLP Lab
George Mason University
Supervisor: Antonios Anastasopoulos, Ph.D.

PUBLICATIONS

1. **Syeda Sabrina Akter** and Antonios Anastasopoulos. 2022. The GMU System Submission for the SUMEval 2022 Shared Task. In Proceedings of the First Workshop on Scaling Up Multilingual Evaluation, pages 13–20, Online. Association for Computational Linguistics.

2. Islam, Muhammad Nazrul, Toki Tahmid Inan, Suzzana Rafi, **Syeda Sabrina Akter**, Iqbal H. Sarker, and AKM Najmul Islam. "A systematic review on the use of AI and ML for fighting the COVID-19 pandemic." IEEE Transactions on Artificial Intelligence 1, no. 3 (2020): 258-270.

3. Salehin, Saadnoor, **Syeda Sabrina Akter**, Anika Ibnat, Tasmiah Tamzid Anannya, Nurun Nahar Liya, Manisha Paramita, and Md Mahboob Karim. "An IoT based proposed system for monitoring manhole in context of Bangladesh." In 2018 4th International Conference on Electrical Engineering and Information & Communication Technology (iCEEiCT), pp. 411-415. IEEE, 2018.

TEACHING EXPERIENCE	**Teaching Assistant**	Fall 2022-Spring 2023

Teaching Assistant — Fall 2022-Spring 2023
CS 678 - Advanced Natural Language Processing
Instructor: Dr. Antonios Anastasopoulos, Dr. Ziyu Yao, Dr Sina Ahmadi
Department of Computer Science and Engineering
George Mason University

Teaching Assistant — Spring 2021, Spring 2022
CS 310 - Data Structures
Instructor: Dr. Katherine Russell, Dr. Tessema Mengistu
Department of Computer Science and Engineering
George Mason University

Teaching Assistant — Fall 2021
- SWE 437 - Software Testing and Maintenance
Instructor: Dr. Jeff Offut
Department of Software Engineering
George Mason University
- SWE 637 - Software Testing
Instructor: Dr. Robert Kurtz
Department of Software Engineering
George Mason University

Lecturer — Jan 2019- June 2020
Courses: Data Structure, Structured Programming Language,
Object Oriented Programming(C++), Digital Logic Design,
Operating Systems, Computer Architecture.
Dept Head: Raihan-Ul-Masood
Department of Computer Science and Engineering
Northern University Bangladesh

RESEARCH TALK
- Presented my current research in The ACM Capital Region Celebration of Women in Computing Conference (CAPWIC), 2023.

AWARDS
Competitive Awards
- **Outstanding Graduate Teaching Assistant Award**, 2022-2023, Department of Computer Science, GMU
- **Best Project Award**, Faculty of Electrical and Computer Engineering (2017, MIST)
- **Commandant's List Award** for Academic Excellence (2016, MIST)
- **IUT ICT Fest Project Showcasing – Runners Up** (2017, Islamic University of Technology)

SERVICES
- Volunteer for 2022 Annual Conference of the North American Chapter of the Association for Computational Linguistics
- Teaching Assistant to a guest Lecture in Georgetown University, 2023
- Teaching Assistant for Summer Guild Breakthrough tech 2021, 2022

MISCELLANEOUS
Languages:
- Bengali, English

Computer Programming:
- Python, PyTorch, Sci-kit Learn, C, C++, Java, PHP, UNIX shell scripting, SQL, MySQL, MATLAB, and others