

G M Shahariar

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Research Interests

Natural Language Processing, Natural Language Generation, Low Resource Language, Summarization, Large Language Models, AI Security

Education

University of California, Riverside

CA, USA

PhD in Computer Science

2024 - Present

Supervisor: Dr. Yue Dong, Assistant Professor, UCR

Ahsanullah University of Science and Technology (AUST)

Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering

2014 - 2018

CGPA: **3.973**/4.00

Thesis: Spam Review Detection using Deep Learning

Publications [\[Google Scholar\]](#)

(* denotes equal contribution)

1. G M Shahariar, Jia Chen, Jiachen Li, Yue Dong. “**Adversarial Attacks on Parts of Speech: An Empirical Study in Text-to-Image Generation.**” In *Findings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2024.
2. G. M. Shahariar, Swapnil Biswas, Faiza Omar, Faisal Muhammad Shah, and Samiha Binte Hassan. “**Spam Review Detection using Deep Learning.**” In *2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)*, pp. 0027-0033. IEEE, 2019.
3. G. M. Shahariar*, M. T. R. Shawon*, F. M. Shah, M. S. Alam, M. S. Mahbub. “**Bengali fake reviews: A benchmark dataset and detection system.**” *Neurocomputing*, 592, 127732, 2024.
4. G. M. Shahariar, Tahmid Hasan, Anindya Iqbal and Gias Uddin. “**Contrastive Learning for API Aspect Analysis.**” In the proceedings of the 38th *IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2023.
5. Sanzana Karim Lora, G. M. Shahariar, Tamanna Nazmin, Noor Nafeur Rahman, Rafsan Rahman, Miyad Bhuiyan, and Faisal Muhammad shah. “**Ben-Sarc: A Self-annotated Corpus for Sarcasm Detection from Bengali Social Media Comments and its Baseline Evaluation.**” *Natural Language Processing*, pp. 1-26, 2024.
6. G. M. Shahariar*, Tonmoy Talukder*, Rafin Alam Khan Sotez and Md. Tanvir Rouf Shawon. “**Rank Your Summaries: Enhancing Bengali Text Summarization via Ranking-based Approach.**” In the proceedings of the 2nd *International Conference on Big Data, IoT and Machine Learning (BIM)*, 2023.

7. **G. M. Shahariar**, Md Tanvir Rouf Shawon, Anik Hassan Nibir, Md Zabed Miandad, and Nibir Chandra Mandal. “**Automatic back transliteration of Romanized Bengali (Banglish) to Bengali.**” *Iran Journal of Computer Science* 6, no. 1 (2023): 69-80.
8. Tanveer Ahmed Belal, **G. M. Shahariar**, and Md Hasanul Kabir. “**Interpretable Multi Labeled Bengali Toxic Comments Classification using Deep Learning.**” In *2023 International Conference on Electrical, Computer and Communication Engineering (ECCE)*, pp. 1-6. IEEE, 2023.

Work Experience

Ahsanullah University of Science and Technology (AUST)	Dhaka, Bangladesh
Senior Lecturer	October 2021 - August 2024
Department of Computer Science and Engineering	
<i>Courses: Data Structures, Soft Computing, Elementary Structured Programming</i>	
Ahsanullah University of Science and Technology (AUST)	Dhaka, Bangladesh
Lecturer	July 2019 - October 2021
Department of Computer Science and Engineering	
<i>Courses: Algorithms, Elementary Structured Programming, Distributed Database Systems</i>	
Ahsanullah University of Science and Technology (AUST)	Dhaka, Bangladesh
Part Time faculty	January 2019 - June 2019
Department of Computer Science and Engineering	
<i>Courses: Algorithms, Data Structures, Digital Image Processing</i>	
Enosis Solutions	Gulshan, Dhaka
Software Engineer	October 2018 - December 2018
iQ3Connect	
Web-Based VR/AR Training and Collaboration	

Awards and Honours

- **Best Paper**, Human-Computer Interaction and NLP track, ECCE 2023
- **Khan Bahadur Ahsanullah Gold Medal**, AUST 2023
- **Prime Minister Gold Medal**, University Grants Commission of Bangladesh 2018
- **Dean's List of Honor**, AUST 2018
- **Government Scholarship**, Dhaka Board 2008, 2011, 2013

Skills

Languages: Python, C, C++, Java
Database: MySQL, Oracle
Deep Learning Tools: Keras, Tensorflow, PyTorch, scikit-learn
Version Control System: Git
Others: PL/SQL, LaTeX

Competitive Programming

Problem Solving

2015 - 2020

- Codeforces (*Handle: [zexon](#)*) [Maximum ratings: 1715]
- Codechef (*Handle: [zexon](#)*) [Maximum ratings: 1847]
- HackerRank (*Handle: [zexon](#)*) [Maximum ratings: 1842]
- UVA Online Judge (*Handle: [Shibli007](#)*) [Problems solved: 418]
- Virtual Judge (*Handle: [Artem_](#)*) [Problems solved: 215]
- LightOJ (*Handle: [sshibli745](#)*) [Problems solved: 104]
- Sphere Online Judge (*Handle: [zexon](#)*) [Problems solved: 34]

Programming Contests

2015-2018

- ACM ICPC Dhaka Regional 2016 (*Team: [AUST_angurFolTok](#)*) [Place: 30th]
- ACM ICPC Dhaka Regional 2017 (*Team: [AUST_angurFolTok](#)*) [Place: 37th]
- SUB IUPC 2017 (*Team: [AUST_angurFolTok](#)*) [Place: 23rd]
- BUET CSE DAY IUPC 2016 (*Team: [AUST_angurFolTok](#)*) [Place: 36th]
- AB Bank IUT 8th ICT Fest 2016 (*Team: [AUST_angurFolTok](#)*) [Place: 37th]
- Intra AUST Programming Contest 2016 (*Team: [dhoa_TulsiPata](#)*) [Place: 1st]

Professional Services

President

February 2022 - April 2023

AUST Programming and Informatics Club
Ahsanullah University of Science and Technology (AUST)

Programming Contest Coordinator, Trainer and Coach

January 2019 - August 2022

Department of Computer Science and Engineering
Ahsanullah University of Science and Technology (AUST)

Problem Setter & judge

January 2019 - August 2022

- CodeWare Intra AUST Programming Contest Spring 2018 & 2019
- Intra Aust Programming Contest Fall 2018 & Spring 2020
- AUST Game of Codes Fall 2019

Reviewer

ACL Rolling Review	2024
IEEE Access	2024
Neurocomputing	2024
Telematics and Informatics	2024
Expert Systems with Applications	2023 - 2024
Empirical Methods in Natural Language Processing (EMNLP)	2023
International Journal of Human-Computer Interaction	2023