G. M. Shahariar

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Github: github.com/shahariar-shibli
LinkedIn: linkedin.com/in/shahariar-shibli
Website: https://shahariar-shibli.github.io

Research Interests

Natural Language Processing, Natural Language Generation, Summarization, Low Resource Language, LLMs, Self-supervised Learning, Interpretability of Language Models, Machine Learning, Deep Learning, Computer Vision.

Education

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
Supervisor: Mr. Faisal Muhammad Shah, Associate Professor, AUST

Publications [Google Scholar]

(* denotes equal contribution)

Under Review

1. **G. M. Shahariar*** and Tonmoy Talukder*. "**Bangla Key2Text: Text Generation from Keywords in Bengali**." In *The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2023.

2. Arman Sakif Chowdhury*, **G. M. Shahariar***, Ahammed Tarik Aziz, Syed Mohibul Alam, Md. Azad Sheikh and Tanveer Ahmed Belal. "**Tackling Fake News in Bengali: Unraveling the Impact of Summarization vs. Augmentation on Pre-trained Language Models**." *Multimedia Tools and Applications*, 2023.

3. Nazmus Sakib*, **G. M. Shahariar***, Md. Mohsinul Kabir, Md. Kamrul Hasan and Hasan Mahmud. "**Towards Automated Recipe Genre Classification using Semi-Supervised Learning**." *Knowledge and Information Systems*, 2023.

Published

1. **G. M. Shahariar**, Tahmid Hasan, Anindya Iqbal and Gias Uddin. "**Contrastive Learning for API Aspect Analysis**." To appear in 38th *IEEE/ACM International Conference on Automated Software Engineering (ASE)*, 2023.

2. **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**." To appear in 2nd *International Conference on Big Data, IoT and Machine Learning (BIM)*, 2023.

3. **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.

4. Md Tanvir Rouf Shawon*, **G. M. Shahariar***, Faisal Muhammad Shah, Mohammad Shafiul Alam, and Md Shahriar Mahbub. "**Bengali Fake Review Detection using Semi supervised Generative Adversarial Networks**." To appear in 5th *International Conference on Natural Language Processing (ICNLP)*, 2023.

5. 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.

6. **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.

Teaching Experience

Ahsanullah University of Science and Technology (AUST) Dhaka, Bangladesh
Senior Lecturer October 2021 - Present
Department of Computer Science and Engineering
Courses: Data Structures, Soft Computing, Elementary Structured Programming

Ahsanullah University of Science and Technology (AUST) Dhaka, Bangladesh
Lecturer July 2019 - October 2021
Department of Computer Science and Engineering
Courses: Algorithms, Elementary Structured Programming, Distributed Database Systems

Ahsanullah University of Science and Technology (AUST) Dhaka, Bangladesh
Part Time faculty January 2019 - June 2019
Department of Computer Science and Engineering
Courses: Algorithms, Data Structures, Digital Image Processing

Awards and Honours

- **Best Paper**, Human-Computer Interaction and NLP track, ECCE 2023
- **Prime Minister Gold Medal**, University Grants Commission of Bangladesh 2018
- **Khan Bahadur Ahsanullah Gold Medal**, AUST 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

Industrial Experience

Enosis Solutions   Gulshan, Dhaka
Software Engineer   October 2018 - December 2018
iQ3Connect
Web-Based VR/AR Training and Collaboration

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]

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 - Present
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

Member   2020
IT Support Sub-committee
23rd International Conference on Computer and Information Technology (ICCIT 2020)