

Akib Sadmanee

NLP Researcher | Structured Multi-document Text Summarization

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Education

Aug 2022 – Ongoing | **University of Hawai'i at Mānoa**
Masters in Computer Science (Focus: Artificial Intelligence) | CGPA: 4.00 (Scale of 4.00)

Jan 2016 – Dec 2019 | **Independent University, Bangladesh**
BS in Computer Science and Engineering | CGPA: 3.78 (Scale of 4.00)

Publications

- 2023 | 1. Gupta, K. D., Sadman, N., Sadmanee, A., Sarker, M. K. & George, R. Behavioral recommendation engine driven by only non-identifiable user data. *Machine Learning with Applications* **11**, 100442 (2023).
- 2022 | 2. Deb, T., Sadmanee, A., Bhaumik, K. K., Ali, A. A., Amin, M. A. & Rahman, A. Variational stacked local attention networks for diverse video captioning in *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision* (2022), 4070–4079.
3. Gupta, K. D., Sadmanee, A. & Sadman, N. A Safer Approach to Build Recommendation Systems on Unidentifiable Data. in *ICAART (3)* (2022), 589–596.
4. Sadman, N., Sadmanee, A., Gupta, K. D. & George, R. HeteroGenius: An Improvised 'Intelligence' in Heterogeneous Graph Transformers in *2022 21st IEEE International Conference on Machine Learning and Applications (ICMLA)* (2022), 849–854.
- 2019 | 5. Sadmanee, A., Sadman, N., Tanveer, M. I., Amin, M. A. & Ali, A. A. Intrinsic evaluation of bangla word embeddings in *2019 International Conference on Bangla Speech and Language Processing* (2019), 1–5.

Work Experience

Jan 2023 - Ongoing | **Graduate Research Assistant**
University of Hawai'i at Mānoa | Natural Language Processing (Structured Text Summarization of Topic-specific Multi-Documents.)

Aug 2022 - Dec 2022 | **Graduate Teaching Assistant**
University of Hawai'i at Mānoa | Algorithms-ICS311 and Big Data Analysis-ICS438

Oct 2021 - Jul 2022 | **Junior Machine Learnign Engineer**
Silicon Orchard Ltd. | Implementing different AI models and doing research on the domain of NLP, computer vision and recommendation systems

Feb 2020 - Jan 2021 | **Research Assistant**
Artificial Intelligence and Cybernetics Lab | Video captioning and Bengali language modeling

Jan 2020 - Apr 2020 | **Teaching Assistant**
Independent University, Bangladesh | Artificial Intelligence-CSE425

Apr 2018 - Dec 2019 | **Undergraduate Student Researcher**
Center for Cognitive Skill Enhancement Lab | Conducting research on Bengali NLP and creating a large Bengali text dataset

Skills

Programming Languages: *Python*

Frameworks: *PyTorch, Flask*

Technical Skills: *Sequence Modeling, Generative Models, Data Analysis, Web Scraping, Cloud Computing, Git(Basics), Docker(Basics), Apache Airflow(Basics)*

Notable Projects

- Pokemon GBA bot for Auto leveling
- Bangla Tacotron Text-to-Speech
- Mailfinder - A web Scraping Based Project
- Automata NFA to DFA converter with Python
- Search and Sort Algorithms Implementation
- Self-written Image Processing Functions in Matlab

Extracurricular Activities

2023 | *Attended Workshop on Conference Poster Creation at University of Hawai'i at Mānoa*

2019 | *Attended ACM SIGCHI Summer School*

2017 | *2nd Place in Notre Dame University, Bangladesh Inter University Hackathon*

2016 | *Attended Maker's camp under Center for cognitive skill enhancement lab.*

Reference

Mahdi Belcaid, Ph.D.

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