

# Akib Sadmanee

AI Researcher | Structured Text Summarization of Topic-specific Multi-Documents.

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🌐 AkibSadmanee

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## Education

Aug 2022 – Ongoing	<b>University of Hawai'i at Mānoa</b> <i>Ph.D. in Computer Science (Focus: Natural Language Processing)</i>
Jan 2016 – Dec 2019	<b>Independent University, Bangladesh</b> <i>BS in Computer Science and Engineering   CGPA: 3.78</i>

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

## Work Experience

Jan 2023 - Ongoing	<b>Graduate Research Assistant</b> <i>University of Hawai'i at Mānoa   Natural Language Processing (Structured Text Summarization of Topic-specific Multi-Documents.)</i>
Aug 2022 - Dec 2022	<b>Graduate Teaching Assistant</b> <i>University of Hawai'i at Mānoa   Algorithms-ICS311 and Big Data Analysis-ICS438</i>
Oct 2021 - Jul 2022	<b>Junior Machine Learnign Engineer</b> <i>Silicon Orchard Ltd.   Implementing different AI models and doing research on the domain of NLP, computer vision and recommendation systems</i>
Feb 2020 - Jan 2021	<b>Research Assistant</b> <i>Artificial Intelligence and Cybernetics Lab   Video captioning and Bengali language modeling</i>
Jan 2020 - Apr 2020	<b>Teaching Assistant</b> <i>Independent University, Bangladesh   Artificial Intelligence-CSE425</i>
Apr 2018 - Dec 2019	<b>Undergraduate Student Researcher</b> <i>Center for Cognitive Skill Enhancement Lab   Conducting research on Bengali NLP and creating a large Bengali text dataset</i>

## Skills

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**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

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- 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

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

2019 | *Attended ACM SIGCHI Summer School*

2017 | *2<sup>nd</sup> Place in Notre Dame University, Bangladesh Inter University Hackathon*

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

## Reference

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