


Mir Tafseer Nayeem

 Ph.D. Student in Computing Science, University of Alberta

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Education

University of Alberta <i>Ph.D. in Computing Science</i> Thesis Title: <i>"Human-Centric Modeling of Content"</i> Supervisor: Prof. Davood Rafiei Committee members: Prof. Osmar Zaiane, Prof. Lili Mou	Edmonton, Canada Sept 2021 – Current
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University of Lethbridge <i>M.Sc. in Computer Science</i> Thesis Title: <i>"Methods of Sentence Extraction, Abstraction and Ordering for Automatic Text Summarization"</i> Supervisor: Prof. Yllias Chali Committee members: Prof. Wendy Osborn, Prof. John Anvik	Lethbridge, Canada Sept 2015 – Oct 2018
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Islamic University of Technology <i>B.Sc. in Computer Science & IT</i> Thesis Title: <i>"Designing a Probabilistic Path Selection Model for Vehicular Networks"</i> Supervisor: Prof. Muhammad Mahbub Alam	Dhaka, Bangladesh Jan 2008 – Jan 2012
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Awards & Scholarships

Huawei Ph.D. Fellowship	[2022 – 2027]
Nominated for PhD Early Achievement Award	[2023]
University of Alberta Graduate Recruitment Scholarship	[2021 – 2022]
Best paper nomination at COLING 2018	[2018]
Area Chair Favorite paper at COLING 2018	[2018]
ACM SIGIR Student Travel Grant	[2017]
S.G.S Research Dissemination Travel Award	[2017]
Graduate Student's Association (GSA) Travel Award	[2017]
School of Graduate Studies (S.G.S) Dean's Scholarship	[2015 – 2017]
School of Graduate Studies (S.G.S) International Tuition Award	[2015 – 2017]
IUT-OIC Full Free Scholarship	[2008 – 2012]

Selected Publications

Full publication list can be accessed from [Google Scholar](#). [* = Equal Contribution]

- [1] **Mir Tafseer Nayeem** and Davood Rafiei, "KidLM: Advancing Language Models for Children – Early Insights and Future Directions", The 2024 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2024**). [Link](#)
- [2] Mohammed Saidul Islam, Raian Rahman, Ahmed Masry*, Md Tahmid Rahman Laskar*, **Mir Tafseer Nayeem***, and Enamul Hoque, "Are Large Vision Language Models up to the Challenge of Chart Comprehension and Reasoning", The 2024 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2024 Findings**). [Link](#)

- [3] Faisal Tareque Shohan*, **Mir Tafseer Nayeem***, Samsul Islam, Abu Ubaida Akash, and Shafiq Joty, “*XL-HeadTags: Leveraging Multimodal Retrieval Augmentation for the Multilingual Generation of News Headlines and Tags*”, 62nd Annual Meeting of the Association for Computational Linguistics (**ACL 2024 Findings**). [[👉 Link](#)]
- [4] Mohsinul Kabir*, Mohammed Saidul Islam*, Md Tahmid Rahman Laskar, **Mir Tafseer Nayeem**, M Saiful Bari, and Enamul Hoque, “*BenLLMEval: A Comprehensive Evaluation into the Potentials and Pitfalls of Large Language Models on Bengali NLP*”, Joint International Conference on Computational Linguistics, Language Resources and Evaluation (**LREC-COLING 2024**). [[👉 Link](#)]
- [5] Ali Naeim abadi, **Mir Tafseer Nayeem**, and Davood Rafiei, “*Product Entity Matching via Tabular Data*”, 32nd ACM International Conference on Information and Knowledge Management (**CIKM 2023**). [[👉 Link](#)]
- [6] **Mir Tafseer Nayeem** and Davood Rafiei, “*On the Role of Reviewer Expertise in Temporal Review Helpfulness Prediction*”, 17th Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023 Findings**). [[👉 Link](#)]
- [7] Abu Ubaida Akash*, **Mir Tafseer Nayeem***, Faisal Tareque Shohan, and Tanvir Islam, “*Shironaam: Bengali News Headline Generation using Auxiliary Information*”, 17th Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023**). [[👉 Link](#)]
- [8] Susmoy Chakraborty*, **Mir Tafseer Nayeem***, and Wasi Ahmad, “*Simple or Complex? Learning to Predict Readability of Bengali Texts*”, Thirty-Fifth AAAI Conference on Artificial Intelligence (**AAAI 2021**). [[👉 Link](#)]
- [9] Radia Rayan Chowdhury*, **Mir Tafseer Nayeem***, Tahsin Tasnim Mim, Md. Saifur Rahman Chowdhury, and Taufiqul Jannat, “*Unsupervised Abstractive Summarization of Bengali Text Documents*”, 16th Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2021**). [[👉 Link](#)]
- [10] **Mir Tafseer Nayeem**, Tanvir Ahmed Fuad, and Yllias Chali, “*Neural Diverse Abstractive Sentence Compression Generation*”, 41st European Conference on Information Retrieval (**ECIR 2019**). [[👉 Link](#)]
- [11] Tanvir Ahmed Fuad*, **Mir Tafseer Nayeem***, Asif Mahmud, and Yllias Chali, “*Neural Sentence Fusion for Diversity Driven Abstractive Multi-Document Summarization*”, **Computer Speech & Language**, 2019, 58:216-230. [[👉 Link](#)]
- [12] **Mir Tafseer Nayeem**, Tanvir Ahmed Fuad, and Yllias Chali, “*Abstractive Unsupervised Multi-Document Summarization using Paraphrastic Sentence Fusion*”, 27th International Conference on Computational Linguistics (**COLING 2018**). [[👉 Link](#)] 🏆 **Best Paper Nomination & Area Chair Favorite**
- [13] **Mir Tafseer Nayeem** and Yllias Chali, “*Paraphrastic Fusion for Abstractive Multi-Sentence Compression Generation*”, 26th ACM International Conference on Information and Knowledge Management (**CIKM 2017**). [[👉 Link](#)] 💰 **ACM SIGIR Student Travel Grant**
- [14] Yllias Chali, Moin Mahmud Tanvee, and **Mir Tafseer Nayeem**, “*Towards Abstractive Multi-Document Summarization Using Submodular Function-Based Framework, Sentence Compression and Merging*”, 8th International Joint Conference on Natural Language Processing (**IJCNLP 2017**). [[👉 Link](#)]
- [15] **Mir Tafseer Nayeem** and Yllias Chali, “*Extract with Order for Coherent Multi-Document Summarization*”, TextGraphs-11: The Workshop on Graph-based Methods for Natural Language Processing (**ACL 2017 Workshop**). [[👉 Link](#)]
- [16] **Mir Tafseer Nayeem**, Md Mamunur Rashid Akand, Nazmus Sakib, and Md. Wasi Ul Kabir, “*Design of a Human Interaction Proof (HIP) using Human Cognition in Contextual Natural Conversation*”, IEEE 13th International Conference on Cognitive Informatics and Cognitive Computing (**IEEE ICCI*CC’14**). [[👉 Link](#)]
- [17] **Mir Tafseer Nayeem**, Md Mamunur Rashid Akand, Nazmus Sakib, and Md. Wasi Ul Kabir, “*Human Cognition in Automated Turing Test Design*”, International Journal of Software Science and Computational Intelligence (**IJSSCI**), 2014, 6(4):1–19. [[👉 Link](#)]
- [18] **Mir Tafseer Nayeem**, Md. Saddam Hossain Mukta, Samsuddin Ahmed, and Md. Mahbubur Rahman, “*Use of Human Cognition in HIP Design Via EmotIcons to Defend BOT Attacks*”, IEEE 15th International Conference on Computational Science and Engineering (**IEEE CSE 2012**). [[👉 Link](#)]

Activities

Services

Program Committee/Reviewer

- 2024: [ACL](#), [EMNLP](#), [NAACL](#), [EACL](#), [SIGIR](#), [WSDM](#)
 - 2023: [SIGIR](#), [KDD](#), [WSDM](#), [CIKM](#)
 - 2022: [SIGIR](#), [KDD](#), [CIKM](#), [ICDE](#)
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Experience

Graduate Teaching Assistant

University of Alberta, Computing Science Department

Sept 2021 – *Current*

Edmonton, Canada

Courses TAed:

- CMPUT 101 - Introduction to Computing
 - CMPUT 291 - Introduction to File and Database Management
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Faculty Member, CSE Department

Ahsanullah University of Science and Technology (AUST)

Oct 2018 – Jul 2021

Dhaka, Bangladesh

Courses Taught:

- CSE 4237 & 4238 - Soft Computing with Lab
 - CSE 3223 & 3224 - Information System Design and Software Engineering with Lab
 - CSE 3104 - Database Lab
 - CSE 1108 - Introduction to Computer Systems
-

Graduate Teaching Assistant

University of Lethbridge, Computer Science Department

Sept 2015 – Sept 2017

Lethbridge, Canada

Courses TAed:

- CPSC 1620 & 2620 - Fundamental of Programming I & II
 - CPSC 2720 - Practical Software Development
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References

Available on request.

[CV updated on October 16, 2024]