


# Mir Tafseer Nayeem

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

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## Education

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**University of Alberta** **Edmonton, Canada**  
*Ph.D. in Computing Science*  
**Thesis Title:** *"Human-Centric Modeling of Content"*  
**Supervisor:** Prof. Davood Rafiei  
**Committee members:** Prof. Osmar Zaiane, Prof. Lili Mou  
Sept 2021 – Current

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**University of Lethbridge** **Lethbridge, Canada**  
*M.Sc. in Computer Science*  
**Thesis Title:** *"Methods of Sentence Extraction, Abstraction and Ordering for Automatic Text Summarization"*  
**Supervisor:** Prof. Yllias Chali  
**Committee members:** Prof. Wendy Osborn, Prof. John Anvik

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**Islamic University of Technology** **Dhaka, Bangladesh**  
*B.Sc. in Computer Science & IT*  
**Thesis Title:** *"Designing a Probabilistic Path Selection Model for Vehicular Networks"*  
**Supervisor:** Prof. Muhammad Mahbub Alam

## Awards & Scholarships


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<b>Best Resource Paper Award</b> at EMNLP 2024	[2024]
<b>Huawei Ph.D. Fellowship</b>	[2022 – 2027]
Nominated for PhD Early Achievement Award	[2023]
University of Alberta Graduate Recruitment Scholarship	[2021 – 2022]
<b>Area Chair Favorite Paper Award</b> at COLING 2018	[2018]
<b>ACM SIGIR</b> 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

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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**). [\[👉 Link\]](#)  **Best Resource Paper Award**
- [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] **Mir Tafseer Nayeem\***, Faisal Tareque Shohan\*, Samsul Islam, Abu Ubaida Akash, and Shafiq Joty, “*XL-HeadTags: Leveraging Multimodal Retrieval Augmentation for the Multilingual Generation of News Headlines and Tags*”, 62<sup>nd</sup> 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 (**COLING 2024**). [\[👉 Link\]](#)
- [5] Ali Naeim abadi, **Mir Tafseer Nayeem**, and Davood Rafiei, “*Product Entity Matching via Tabular Data*”, 32<sup>nd</sup> 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*”, 17<sup>th</sup> Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023 Findings**). [\[👉 Link\]](#)
- [7] **Mir Tafseer Nayeem\***, Abu Ubaida Akash\*, Faisal Tareque Shohan, and Tanvir Islam, “*Shironaam: Bengali News Headline Generation using Auxiliary Information*”, 17<sup>th</sup> Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023**). [\[👉 Link\]](#)
- [8] **Mir Tafseer Nayeem\***, Susmoy Chakraborty\*, and Wasi Ahmad, “*Simple or Complex? Learning to Predict Readability of Bengali Texts*”, Thirty-Fifth AAAI Conference on Artificial Intelligence (**AAAI 2021**). [\[👉 Link\]](#)
- [9] **Mir Tafseer Nayeem\***, Radia Rayan Chowdhury\*, Tahsin Tasnim Mim, Md. Saifur Rahman Chowdhury, and Taufiqul Jannat, “*Unsupervised Abstractive Summarization of Bengali Text Documents*”, 16<sup>th</sup> 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*”, 41<sup>st</sup> European Conference on Information Retrieval (**ECIR 2019**). [\[👉 Link\]](#)
- [11] **Mir Tafseer Nayeem\***, Tanvir Ahmed Fuad\*, 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*”, 27<sup>th</sup> 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*”, 26<sup>th</sup> 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*”, 8<sup>th</sup> 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 13<sup>th</sup> 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 15<sup>th</sup> International Conference on Computational Science and Engineering (**IEEE CSE 2012**). [\[👉 Link\]](#)

## Activities

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### Services

#### Program Committee/Reviewer

- 2025: [NAACL](#)
  - 2024: [ACL](#), [EMNLP](#), [NAACL](#), [EACL](#), [SIGIR](#), [WSDM](#)
  - 2023: [SIGIR](#), [KDD](#), [WSDM](#), [CIKM](#)
  - 2022: [SIGIR](#), [KDD](#), [CIKM](#), [ICDE](#)
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## Experience

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### 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
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### 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

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*Available on request.*

[CV updated on February 7, 2025]