


# Mir Tafseer Nayeem

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

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## Education

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

## Awards & Scholarships

<b>Huawei Ph.D. Fellowship</b>	[2022 – 2027]
University of Alberta Graduate Recruitment Scholarship	[2021 – 2022]
<a href="#">Best paper nomination</a> at COLING 2018	[2018]
<a href="#">Area Chair Favorite</a> paper 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

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

- [1] 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", 62<sup>nd</sup> Annual Meeting of the Association for Computational Linguistics (**ACL 2024 Findings**). [👉 Link](#)
- [2] 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](#)
- [3] 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](#)

- [4] **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](#)]
- [5] Abu Ubaida Akash\*, **Mir Tafseer Nayeem\***, 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](#)]
- [6] 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](#)]
- [7] Radia Rayan Chowdhury\*, **Mir Tafseer Nayeem\***, 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](#)]
- [8] **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](#)]
- [9] 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](#)]
- [10] **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**
- [11] **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**
- [12] 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](#)]
- [13] **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](#)]
- [14] **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](#)]
- [15] **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](#)]
- [16] **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

### Services

#### Program Committee/Reviewer

- 2024: [ACL](#), [EMNLP](#), [NAACL](#), [EACL](#), [SIGIR](#), [WSDM](#)
- 2023: [SIGIR](#), [KDD](#), [WSDM](#), [CIKM](#)
- 2022: [SIGIR](#), [KDD](#), [CIKM](#), [ICDE](#)
- 2020: [ICIT](#)
- 2019: [ICIET](#)

## 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
- 

### **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 June 29, 2024]