


Mir Tafseer Nayeem

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

 tafseer.nayeem@gmail.com  [Website](#)  [Scholar](#)  [GitHub](#)  [Twitter](#)  [LinkedIn](#)

Education

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

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
Sept 2015 – Oct 2018

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
Jan 2008 – Jan 2012

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] 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](#)
- [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", 32nd 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”, 17th 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”, 17th 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”, 16th 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”, 41st 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”, 27th 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”, 26th 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”, 8th 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 13th 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 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](#)
- 2020: [ICIT](#)
- 2019: [ICIET](#)

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
-

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
-

References

Available on request.

[CV updated on August 4, 2024]