

Mir Tafseer Nayeem

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

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📖 Education

University of Alberta **Edmonton, Canada**
Ph.D. in Computing Science Sept 2021 – Current
Thesis Title: *“Human-Centric Modeling of Content”*
Supervisor: Prof. Davood Rafiei

University of Lethbridge **Lethbridge, Canada**
M.Sc. in Computer Science Sept 2015 – Oct 2018
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

Islamic University of Technology **Dhaka, Bangladesh**
B.Sc. in Computer Science & IT Jan 2008 – Jan 2012
Thesis Title: *“Designing a Probabilistic Path Selection Model for Vehicular Networks”*
Supervisor: Prof. Muhammad Mahbub Alam

🏆 Awards & Scholarships

Huawei Ph.D. Fellowship	[2022 – 2027]
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]

🎓 Publications

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

- [1] 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](#)]
- [2] 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](#)]
- [3] **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](#)]

- [4] 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](#)]
- [5] 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](#)]
- [6] 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](#)]
- [7] **Mir Tafseer Nayeem**, Tanvir Ahmed Fuad, and Yllias Chali, “*Neural Diverse Abstractive Sentence Compression Generation*”, 41st European Conference on Information Retrieval (**ECIR 2019**). [[👉 Link](#)]
- [8] 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](#)]
- [9] Kazi A Kalpoma, Mostafa A Kamal, **Mir Tafseer Nayeem**, and Shahriar Mahbub, “*Report of the Baseline Study on Technology-Enabled Learning at Ahsanullah University of Science and Technology*”, **Commonwealth of Learning (COL)**, 2019. [[👉 Link](#)]
- [10] Sibendu Sarker, Wayne Franz, and **Mir Tafseer Nayeem**, “*Automatic Individual Information Aggregation using Publicly Available Social Media Data*”, 22nd International Conference on Computer and Information Technology (**ICCIT 2019**). [[👉 Link](#)]
- [11] **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**
- [12] **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**
- [13] 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](#)]
- [14] **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](#)]
- [15] **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](#)]
- [16] **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](#)]
- [17] **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](#)]
- [18] Khandaker Tabin Hasan, Md. Saddam Hossain Mukta, **Mir Tafseer Nayeem**, and Zahid Hasan, “*Event-based Content Management by Spontaneous Metadata Generation and Diffusion*”, IEEE 13th International Symposium on Computational Intelligence and Informatics (**IEEE CINTI 2012**). [[👉 Link](#)]
- [19] Fausto Giunchiglia, Md Saddam Hossain Mukta, **Mir Tafseer Nayeem**, and Khandaker Tabin Hasan, “*Semantic Enabled Role Based Social Network*”, International Journal of Intelligent Systems and Applications (**IJISA**), 2012, 4(12):1–11. [[👉 Link](#)]

- [20] Khandaker Tabin Hasan, Md. Saddam Hossain Mukta, **Mir Tafseer Nayeem**, and Sharmin Afsah, “*Publishing Knowledge and Transformation of Conventional Web into Semantic Web using Metadata*”, International Journal of Computer Applications (**IJCA**), 2012, 54(13):41–48. [[Link](#)]
- [21] Md Rifat Ahmmad Rashid, **Mir Tafseer Nayeem**, Kamrul Hasan Talukder, and Md Saddam Hossain Mukta, “*A Progressive Image Transmission Method Based on Discrete Wavelet Transform (DWT)*”, International Journal of Image, Graphics and Signal Processing (**IJIGSP**), 2012, 4(10):18–24. [[Link](#)]
- [22] Moin Mahmud Tanvee, **Mir Tafseer Nayeem**, and Md Mahmudul Hasan Rafee, “*Move & select: 2-layer CAPTCHA Based on Cognitive Psychology for Securing Web Services*”, International Journal of Video & Image Processing and Network Security (**IJVIPNS/IJENS**), 2011, 11(5):9–17. [[Link](#)]

Activities

Services

Program Committee/Reviewer

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

Invited Talks

- Talk on [Introduction to NLTK](#) at University of Lethbridge (UofL), AB, Canada. [2017]
- Guest Lecturer in CPSC 3750 - Artificial Intelligence course, UofL, AB, Canada. [2017]

Leadership

- Lab Manager, Database Lab, University of Alberta, Edmonton, AB, Canada. [2022 – Current]
- Founding Admin of a Discord server comprising approximately 4,500+ members dedicated to assisting prospective students with grad school applications. [2021 - Current]
- Member, Logistics & IT Support Committee, [ICCIT 2020](#) Conference.
- Organizing committee, Commonwealth of Learning (COL) TEL AUST Project [[report](#)].
- Organizer and Host, Intel Nervana AI Academy - Workshop. [2017]
- Convener, Project Showcasing, AUST CSE WEEK. [2018]
- Organizing committee member, AUST CSE Fest. [2013, 2014]
- Organizing committee member, BUBT CSE FIESTA. [2012]
- Organizing committee member, IUT ICT Fest. [2011]

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
-

Lecturer, CSE Department

Ahsanullah University of Science and Technology (AUST)

Oct 2012 – Aug 2015

Dhaka, Bangladesh

Courses Taught:

- CSE 4129 & CSE 4130 - Formal Languages & Compilers with Lab
 - CSE 4108 - Artificial Intelligence Lab
 - CSE 2104 - Data Structures Lab
-

Lecturer, CSE Department

Bangladesh University of Business and Technology (BUBT)

Feb 2012 – Sept 2012

Dhaka, Bangladesh

Courses Taught: C Programming, Data Structures, Numerical Methods.

Industrial Trainee

Systech Digital Ltd.

Aug 2010 – Oct 2010

Dhaka, Bangladesh

- Collaborated with a team of four to develop appointment management software using the PHP framework CodeIgniter and MySQL.
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 **References**

Available on request.

[CV updated on March 7, 2024]