

Md NAYEM UDDIN

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EDUCATION

Arizona State University

Aug 2022 – Present

Ongoing PhD in Computer Science at School of Computing and Augmented Intelligence

Tempe, USA

Faculty Advisors: Chitta Baral (Arizona State University), Eduardo Blanco (University of Arizona)

Current CGPA: 4.0 / 4.0 || Credit hours completed: 84 / 84 || Anticipated graduation date: 04/27

RESEARCH INTERESTS [GOOGLE SCHOLAR]

Information Extraction, Reasoning, Long-Term Memory, LLM Post-training, Synthetic Data and Weak Supervision.

RESEARCH PUBLICATIONS

- [1] “From Recall to Forgetting: Benchmarking Long-Term Memory for Personalized Agents.” **Md Nayem Uddin**, Kumar Shubham, Eduardo Blanco, Chitta Baral, Gengyu Wang. In Findings of the *Association for Computational Linguistics*. (ACL 2026)
- [2] “GuidedSampling: Two-Stage Method for Improving Diversity of LLMs in Inference-Time.” Divij Handa, Mihir Parmar, Aswin RRV, **Md Nayem Uddin**, Hamid Palangi, Chitta Baral. In *The Fourteenth International Conference on Learning Representations*. (ICLR 2026)
- [3] “UnSeenTimeQA: Time-Sensitive Question-Answering Beyond LLMs’ Memorization.” **Md Nayem Uddin**, Amir Saeidi, Divij Handa, Agastya Seth, Tran Cao Son, Eduardo Blanco, Steven Corman, Chitta Baral. In Proceedings of the *Association for Computational Linguistics*. (ACL 2025)
- [4] “BEMEAE: Moving Beyond Exact Span Match for Event Argument Extraction.” Enfa Rose George, **Md Nayem Uddin**, Oghenevovwe Ikumariiegbe, Daniyal Kashif, Eduardo Blanco, Steven Corman. In Proceedings of the *North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. (NAACL 2025)
- [5] “When “Competency” in Reasoning Opens the Door to Vulnerability: Jailbreaking LLMs via Novel Ciphers.” Divij Handa, Zehua Zhang, Amir Saeidi, Shrinidhi Kumbhar, **Md Nayem Uddin**, Aswin RRV, Chitta Baral. In *NeurIPS 2025 Workshop: Reliable ML from Unreliable Data*. (NeurIPS 2025)
- [6] “ThinkTuning: Instilling Cognitive Reflections without Distillation.” Aswin RRV, Jacob Dineen, Divij Handa, **Md Nayem Uddin**, Mihir Parmar, Chitta Baral, Ben Zhou. In Proceedings of the *Empirical Methods in Natural Language Processing* (EMNLP 2025)
- [7] “Insights into Alignment: Evaluating DPO and its Variants Across Multiple Tasks.” Amir Saeidi, Shivanshu Verma, **Md Nayem Uddin**, Chitta Baral. In Proceedings of *ACL Student Research Workshop*. (ACL SRW 2025)
- [8] “Generating Uncontextualized and Contextualized Questions for Document-Level Event Argument Extraction.” **Md Nayem Uddin**, Enfa Rose George, Eduardo Blanco, Steven Corman. In Proceedings of the *North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. (NAACL 2024)
- [9] “Chaos with Keywords: Exposing Large Language Models Sycophancy to Misleading Keywords and Evaluating Defense Strategies.” Aswin RRV*, Nemika Tyagi*, **Md Nayem Uddin***, Neeraj Varshney, Chitta Baral. In Findings of the *Association for Computational Linguistics*. (ACL 2024)

PREPRINTS / UNDER REVIEW

- [1] “LedgerAgent: Structured State for Policy-Adherent Tool-Calling Agents.” **Md Nayem Uddin**, Amir Saeidi, Eduardo Blanco, Chitta Baral. Submitted to the EMNLP 2026. (Under Review)

PROFESSIONAL EXPERIENCE

Microsoft

May 2026 – Present

Applied Scientist Intern

Redmond, WA

- LLM agents for large-scale system monitoring and automated root cause analysis across distributed services.

Cohere

Jan 2026 – Apr 2026

Intern of the Technical Staff

San Francisco, CA

- Implemented continuous learning and performance evaluation mechanisms for workplace automation agents.
- Designed long-term memory systems for tool calling enterprise agents to learn from prior experiences.

Genies

Research Scientist Intern

Jun 2025 – Dec 2025
San Mateo, CA

- Systematic evaluation framework for LLM-based memory modules. One paper accepted to the ACL 2026.
- Developed a long-term memory management pipeline for AI agents and user personalization.

Center for Strategic Communication, Arizona State University

Graduate Research Assistant

Aug 2022 – June 2025
Tempe, AZ

- Developed a question-answering system to extract event arguments from news articles (focus: weak supervision).
- Led three accepted papers at top NLP conferences (LREC-COLING’24, NAACL’24, NAACL’25, ACL’25).

Nascenia IT

Software Engineer (Machine Learning)

Jan 2020 – Jun 2022
Dhaka, Bangladesh

- Developed five conversational agents (National Digital Service Assistant) for government stakeholders.
- Set up a data acquisition web application for end-to-end machine learning model training using Pytorch.
- Created five domain-specific user intent understanding datasets for Bangla language.

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, Ruby
Databases: MySQL, SQLite, MongoDB
Web Technologies / Frameworks: HTML, CSS, Flask, Ruby on Rails, API-Swagger
ML Frameworks / Packages / Libraries: Pytorch, Numpy, SciPy, Pandas, Matplotlib, scikit-learn
Others: AWS, git, github, Nginx, Rasa, Apache Superset, Beautiful Soup, Linux, JMeter

HONORS AND AWARDS

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| • Tinker Research Grant, Thinking Machines Lab (\$5000) | 2025 |
| • OpenAI Researcher Access Program (\$1000) | 2025 |
| • ASU-GSG Career Development Grant (\$950) | 2025 |
| • ASU-SCAI Conference Grant (\$500) | 2024 |
| • ASU-GPSA Career Development Grant (\$950), Travel Grant (\$950) | 2024 |
| • ASU-Graduate College Travel Grant (\$300) | 2024 |
| • Honorable mention at <i>ACM-ICPC Asia Dhaka Regional Programming Contest</i> | 2017, 2018 |
| • Champion at <i>Intra NSTU Programming Contest</i> | 2016 |

COMMUNITY, MENTORSHIP AND SERVICES

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| • Reviewer: EMNLP 2024, 2025; ACL 2024, 2025, NAACL 2024, 2025 | |
| • President at <i>CSTE CLUB</i> , Departmental Computing Society | 2019 |
| • Problem setter at Intra NSTU PI Day Programming Contest <i>[43 teams]</i> | 2019 |
| • Workshop Trainer at CSTE Club Competitive Programming Chapter, NSTU <i>[100+ students]</i> | 2017-19 |