

MARZIA NOURI

✉ marzia.nouri@mila.quebec  [Google Scholar](#)  [marzinouri](#)  [marzinouri.github.io](#)

RESEARCH INTERESTS

• NLP • LLMs • Responsible AI • Low-Resource NLP • Explainability • Computational Linguistics

EDUCATION

Master of Science in Computer Science

Jan 2026 - Present

[McGill University](#), Montreal, Canada

Supervisor: [Prof. Siva Reddy](#)

Bachelor of Science in Computer Engineering

Sep 2017 - Feb 2022

[Isfahan University of Technology](#), Isfahan, Iran

GPA: 16.34/20, 17.62/20 over the last two years

Thesis: Question Answering System Using Machine Learning, [GitHub Link](#)

Supervisor: [Prof. Mehran Safayani](#)

PUBLICATIONS

- Ghahroodi O., Hemmat A.*, **Nouri M.***, et al., *MEENA (PersianMMMU): Multimodal-Multilingual Educational Exams for N-level Assessment*. In **Proceedings of EACL 2026**. [View Paper](#)
 - Yu X., Dalvi F., Durrani N., **Nouri M.**, and Sajjad H., *Latent Concept-based Explanation of NLP Models*. In **Proceedings of EMNLP 2024**. [View Paper](#)
 - Ghahroodi O., **Nouri M.*** Vali Sanian M.*, Sahebi A.*, et al., *Khayyam Challenge (PersianMMLU): Is Your LLM Truly Wise to The Persian Language?* In **Proceedings of COLM 2024**. [View Paper](#)
 - **Nouri M.***, Amani M.*, Zohrabi R., and Asgari E. *The Language Model, Resources, and Computational Pipelines for the Under-Resourced Iranian Azerbaijani*. In **Proceedings of AACL 2023 (Asia-Pacific ACL)**, [View Paper](#)
 - Bahmani Z.*, Mirbeygi M.*, Hashemi N.*, **Nouri M.***, Amani M.*, et al., *Linguistic Resources and Transformer-based Models for the Machine Translations between Luri and Yazdi Dialects versus Standard Persian*. In **Proceedings of Language and Linguistics (Journal of the Linguistics Society of Iran)**. [View Paper](#)
- *denotes equal contribution

RESEARCH EXPERIENCE

Researcher

Jan 2026 - Present

[McGill NLP & Mila](#), Montreal, Canada

Supervisor: [Prof. Siva Reddy](#)

Working at the intersection of interpretability and alignment in LLMs.

Volunteer Research Assistant

May 2024 - Sep 2025

[HyperMatrix Lab](#), [Dalhousie University](#), Halifax, Canada

Supervisor: [Prof. Hassan Sajjad](#)

Worked on interpretability and safety of NLP models, contributing to one peer-reviewed publication.

Research Assistant

Aug 2024 - Aug 2025

[Qatar Computing Research Institute \(QCRI\)](#), Doha, Qatar

Supervisor: [Dr. Ehsaneddin Asgari](#)

Structured data to improve model performance in projects at the intersection of LLMs and culture.

Volunteer Research Assistant

Apr 2023 - Apr 2024

[Raia Center](#), [Sharif University of Technology](#), Tehran, Iran

Supervisors: [Prof. Mohammad Hossein Rohban](#), [Prof. Mahdieh Soleymani](#), [Dr. Ehsaneddin Asgari](#)

Evaluated LLMs with a focus on their support for Persian, reasoning, knowledge, fairness, and RAG systems, leading to one publication.

Volunteer Research Assistant

Jun 2022 - Oct 2023

Language Processing and Digital Humanities Lab, [Sharif University of Technology](#), Tehran, Iran

Supervisor: [Dr. Ehsaneddin Asgari](#)

Developed NLP tools for Iranian languages, leading to two publications on modeling, translation, and classification.

TEACHING EXPERIENCE

Teaching Assistant

Sep 2022 - Dec 2023

[Sharif University of Technology](#), Tehran, Iran

Course: *Natural Language Processing*

Designed course projects and exercises, providing student support, and assisting with grading and evaluation for graduate level NLP course for three consecutive semesters.

WORK EXPERIENCE

R&D Data Scientist

Jul 2024 - Dec 2025

[Tapsell](#), Tehran, Iran

Developed and implemented generative AI solutions, with a focus on conversational AI and RAG systems.

SKILLS

Languages:

Azerbaijani, Persian: Native

English: IELTS: 8 (L: 8.5, R: 8.5, W: 7.5, S: 7.5), [Test Report Form](#)

Turkish: Intermediate

Programming Languages:

Python, C, C++, T-SQL, R, Matlab, Node.js, PHP

Machine Learning and NLP Libraries:

PyTorch, scikit-learn, NumPy, Pandas, spaCy, NLTK, Hugging Face

Database Management:

SQL (MS SQL, SQLite), NoSQL (MongoDB)

Development and Technical Tools:

Colab, Flask, Qt, Express.js, Git, \LaTeX