Marzia Nouri

RESEARCH INTERESTS

- Natural Language Processing (NLP)   - Low-Resource NLP   - Interpretability   - Reasoning

EDUCATION

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

PUBLICATIONS

- Ghahroodi O., Hemmat A.*, **Nouri M.**,* et al., *MEENA (PersianMMMU): Multimodal-Multilingual Educational Exams for N-level Assessment.* **Under Review at** 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

Remote Volunteer Research Assistant   *May 2024 - Sep 2025*
HyperMatrix Lab, Dalhousie University, Halifax, Canada
Supervisor: Dr. Hassan Sajjad
Worked on the interpretability of NLP models and published one paper.

Remote Volunteer 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.

Remote Volunteer Research Assistant   *Jun 2022 - Apr 2024*
Sharif University of Technology, Tehran, Iran
Supervisors: Dr. Mohammad Hossein Rohban, Dr. Mahdieh Soleymani, Dr. Ehsaneddin Asgari
Developed NLP tools for Iranian languages (2 publications) and evaluated LLMs on Persian (1 publication).

WORK EXPERIENCE

Junior Data Scientist   *Jul 2024 - Present*
Pegah Co. (Tapsell), Tehran, Iran
Conducting research and building generative models for customer support, focusing on chatbot design, RAG systems, and performance optimization.

TEACHING EXPERIENCE

Teaching Assistant   *Sep 2022 - Dec 2023*
Sharif University of Technology, Tehran, Iran
Designed projects, provided student support for a graduate-level NLP course over three semesters.

English Teacher   *Oct 2023 - Aug 2024*
Iran-Europe English Language Institute, Tehran, Iran
Instructed students in English language classes, including grammar, vocabulary, listening, and pronunciation.