

RESEARCH INTERESTS

Trustworthy AI, Multimodal Generative Models, Deep Reinforcement Learning, Deep Learning-Guided Program Synthesis

EDUCATION

Bu-Ali Sina University <i>MS in Artificial Intelligence</i> • CGPA: 19.28/20.00 4.00/4.00, Ranking: 1 st	Hamedan, Iran Sep 2023 - Present
University of Kurdistan <i>BS in Computer Engineering</i> • CGPA: 17.64/20.00 3.65/4.00, last two years: 19.24/20.00 4.00/4.00	Sanandaj, Iran Sep 2019 - Jul 2023

EXPERIENCE

Robot Intelligence & Vision Lab <i>Graduate Student Researcher - Supervisor: Prof. Hassan Khotanlou</i> • Working on Debiasing Image Datasets using Generative Models.	Hamedan, Iran Mar 2025 - Present
Matina AI <i>AI Engineer</i> • Investigating LLM post-training approaches. • Creating LLM post-training datasets.	Tehran, Iran Apr 2024 - Jan 2025
Quera <i>Course Instructor</i> • Create and optimize programming courses tutorials. • Design programming problems and develop unit tests for them to judge the submitted answers. • Help students to debug their codes and solve their issues.	Tehran, Iran · Remote Mar 2021 - Feb 2022

PUBLICATIONS

- SB. Hosseinbeigi, MA. SeifKashani, J. Seraj, F. Taherinezhad, **A. Nafisi**, F. Nadi, I. Barati, H. Hasani, M. Amiri, M. Masoudi, "Matina: A Culturally-Aligned Persian Language Model Using Multiple LoRA Experts," *ACL Findings*, 2025.
- F. Daneshfar, S. Soleymanbaigi, **A. Nafisi**, P. Yamini, "Elastic deep autoencoder for text embedding clustering by an improved graph regularization," *Expert Systems with Applications*, 2024.

HONORS & AWARDS

• 3rd Place in the LLM Agents Hackathon	May 2025
• 1st Place in the Rayan International AI Contest	Dec 2024
• 2nd Place in the Quera Large Language Model Hackathon	Mar 2024
• 3rd Place in the 28th Computer Engineering regional Olympiad (Region 5)	Jun 2023
• 1st Place in the 27th Computer Engineering regional Olympiad (Region 5)	Jul 2022
• Qualifying and participating in the ICPC 2020 regional contest	Dec 2020

TEACHING EXPERIENCE

Teaching Assistant at Bu-Ali Sina University • <i>Digital Image Processing, Deep Learning, Machine Learning, Artificial Intelligence, Web Search and Information Retrieval</i>	2023 - Present
Teaching Assistant at University of Kurdistan • <i>Natural Language Processing, Artificial Intelligence, Design and Analysis of Algorithms, Advanced Programming, Computer Networks</i>	2022 - 2023

SKILLS & TECHNICAL TOOLS

Programming: Python, C/C++

ML/CV Tools & Libraries: PyTorch, Keras, HuggingFace libraries, OpenCV, Scikit-Learn, Pandas, NumPy, Matplotlib

Languages: Persian (native), Arabic (native), English (proficient)

Others: Git, \LaTeX , Linux

SELECTED PROJECTS

- **Compositional Image Retrieval:** A system that retrieves the best image using visual and text inputs [GitHub](#)
- **Backdoored Model Detection:** A system that classifies models as either backdoored or clean [GitHub](#)
- **Hierarchical Group Robustness:** A robust image classifier that can handle hierarchical group structures [GitHub](#)
- **Denoising Framework:** A system that denoises images according to their noise type [GitHub](#)

CERTIFICATIONS

- Introduction to LangGraph, *LangChain Academy* [Certification](#)
- TensorFlow Developer Specialization, *DeepLearning.AI* [Certification](#)
- Deep Learning Specialization, *DeepLearning.AI* [Certification](#)
- Mathematics for Machine Learning and Data Science Specialization, *DeepLearning.AI* [Certification](#)
- Reinforcement Learning Specialization, *University of Alberta* [Certification](#)
- Machine Learning Specialization, *DeepLearning.AI* [Certification](#)

REFERENCES

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Prof. Muharram Mansoorizadeh

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