

RESEARCH INTERESTS

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

EDUCATION

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|---|---------------------------------------|
| 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

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| Robot Intelligence & Vision Lab <i>Graduate Student Researcher - Advisor: 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

1. S. Bourbour, M. 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*, 2025.
2. 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

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| • 5th Place in the first stage of the UT AI Hackathon | Apr 2025 |
| • 1st Place in Rayan International AI Contest, <i>Sharif University of Technology</i> | Dec 2024 |
| • 2nd Place in the final contest of the Quera Large Language Model Hackathon | Mar 2024 |
| • 1st Place in the first stage of the Irancell Labs Artificial Intelligence Hackathon | Aug 2023 |
| • 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, <i>Sharif University of Technology</i> | Dec 2020 |

TEACHING EXPERIENCE

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| 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

- Hierarchical Group Robustness [GitHub](#)
- Noisy Birds Classification [GitHub](#)
- Teeth Segmentation [GitHub](#)
- Solving the Cones Problem with a Multi-Objective Evolutionary Algorithm [GitHub](#)
- Solving TSP with an Evolutionary Algorithm [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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