

EDUCATION

Bu-Ali Sina University

MS in Artificial Intelligence

Sep 2023 - Present

- CGPA: 19.28/20.00 | 4.00/4.00, Ranking: 1st

- Thesis: *Mitigating Spurious Correlations in Image Datasets via Diffusion-Based Counterfactual Data Augmentation*

University of Kurdistan

BS in Computer Engineering

Sep 2019 - Jul 2023

- CGPA: 17.64/20.00 | 3.65/4.00, last two years: 19.24/20.00 | 4.00/4.00

PUBLICATIONS

† = equal contribution

- **Mechanistic Interpretability of Large-Scale Counting in LLMs through a System-2 Strategy** Subm. ACL 2026
H. Hasani, M. Banayeeanzade, A. Nafisi, S. Mohammadian, F. Askari, M. Bagherian, A. Izadi, M. Soleymani Baghshah
- **No Trust Issues Here: A Technical Report on the Winning Solutions for the Rayan AI Contest** arXiv 2025
A. Nafisi, S. Asghari†, M. Arvenaghi†, H. Shakibania [Code]
- **Matina: A Culturally-Aligned Persian Language Model Using Multiple LoRA Experts** ACL 2025
S. Bourbour Hosseinbeigi, M. SeifKashani, J. Seraj, F. Taherinezhad, A. Nafisi, F. Nadi, I. Barati, H. Hasani, M. Amiri, M. Masoudi
- **Elastic deep autoencoder for text embedding clustering by an improved graph regularization** ESWA 2024
F. Daneshfar, S. Soleymanbaigi, A. Nafisi, P. Yamini

TEACHING EXPERIENCE

Teaching Assistant at Bu-Ali Sina University

2023 - 2025

- *Digital Image Processing, Deep Learning, Machine Learning, Web Search and Information Retrieval*

Teaching Assistant at University of Kurdistan

2022 - 2023

- *Natural Language Processing, Artificial Intelligence*

HONORS & AWARDS

- **1st Place** in the Rayan International AI Contest Nov 2025
- **3rd Place** in the LLM Agents Hackathon May 2025
- **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

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

SKILLS & TECHNICAL TOOLS

Programming: Python, C/C++

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

Languages: English (proficient)

Others: Git, L^AT_EX, Linux

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

Associate Professor, Bu-Ali Sina University

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