

Curriculum Vitae

Ali Nafisi

Artificial Intelligence Engineer/Researcher

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EDUCATION

Bu-Ali Sina University

Sep 2023 - Present

M.Sc. in Artificial Intelligence

- **GPA:** 20.00/20.00 | 4.00/4.00 (Rank 1)

University of Kurdistan

Sep 2019 - Jul 2023

B.Sc. in Computer Engineering

- **GPA:** 17.64/20.00 | 3.65/4.00 (Rank 5 among 55 students)
- **Thesis:**
Reinforcement Learning-Based Autoscaling Mechanism For Edge Computing Systems (Supervisor: [Dr. Sadoon Azizi](#))

Publications

- 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 AND AWARDS

- **Rank 2** in the final contest of the Quera Large Language Model Hackathon, 2024.
- [One of the top winners of the Irancell Labs Artificial Intelligence Hackathon](#), 2023.
- **Rank 3** in the 28th Computer Engineering regional olympiad (Region 5), 2023.
- **Rank 1** in the 27th Computer Engineering regional olympiad (Region 5), 2022.
- **Qualifying and participating** in the ICPC 2020 regional contest (Asia Region), 2020.

PROFESSIONAL EXPERIENCE

Self-employed - *Artificial Intelligence Engineer*

Apr 2024 - Present

- Working on Large Language Models

RIV Lab, Hamedan - *Artificial Intelligence Researcher*

Sep 2023 - Present

- Working on Multimodal Generative Models

Quera, Tehran - *Course Instructor*

Mar 2021 - Dec 2021

- Create and optimize courses tutorials

- Design problems for programming contests and develop unit tests for them to judge the submitted codes of the students automatically
- Help students to debug their codes and solve their issues

Certifications

TensorFlow Developer Specialization - <i>DeepLearning.AI</i>	<i>Nov 2023</i>
Deep Learning Specialization - <i>DeepLearning.AI</i>	<i>Sep 2023</i>
Mathematics for Machine Learning and Data Science - <i>DeepLearning.AI</i>	<i>Jul 2023</i>
Reinforcement Learning Specialization - <i>University of Alberta</i>	<i>May 2023</i>

Projects

Fine Tuning Llama 3 on Persian Alpaca	<i>Apr 2024</i>
Denoising Framework	<i>Mar 2024</i>
Solving the Cones Problem with a Multiobjective Evolutionary Algorithm	<i>Mar 2024</i>
Clustering Algorithms Comparison	<i>Jan 2024</i>
Solving TSP with an Evolutionary Algorithm	<i>Dec 2023</i>

Teaching EXPERIENCE

Bu-Ali Sina University - *Teaching Assistant* *Sep 2023 - Mar 2024*

- Teaching Assistant of Artificial Intelligence with [Dr. MirHossein Dezfoulian](#)

University of Kurdistan - *Teaching Assistant* *Feb 2021 - Jul 2023*

- Teaching Assistant of Advanced Computer Networks with [Dr. Sadoon Azizi](#)
- Teaching Assistant of Artificial Intelligence with [Dr. Fardin Akhlaghian](#)
- Teaching Assistant of Design and Analysis of Algorithms with [Dr. Amanj Khorramian](#)

SKILLS AND QUALIFICATIONS

- **Programming Languages and Technologies:** Python, Java, SQL, Git
- **Libraries:** Pytorch, Tensorflow, HuggingFace, Scikit-learn, OpenCV, Numpy, Pandas, Matplotlib
- **Web Development:** HTML, CSS, JavaScript, Django

REFERENCES

- **Prof. Hassan Khotanlou** - **Professor** - khotanlou@basu.ac.ir
- **Dr. Muharram Mansoorizadeh** - **Associate Professor** - mansoorm@basu.ac.ir
- **Dr. Sadoon Azizi** - **Associate Professor** - s.azizi@uok.ac.ir