

Mahan Keramati

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OBJECTIVE

Seeking a challenging position in [your field] to leverage my expertise in [your key skills]. Aiming to contribute to innovative projects at the intersection of [your interests] and practical problem-solving in fields such as [specific areas of interest].

EXPERIENCE

- **DAMGHAN MACHINE BRICK CORPORATION** []
AI Assistant
 - Developed [specific achievement], achieving [specific metric] in [specific area]

September 2022 - September 2025

Tehran, Iran

EDUCATION

- **K.N.Toosi University of Technology**
Bachelor of science in Mathematics and Applications
 - GPA: 17.24/20
- **K.N.Toosi University of Technology**
Minor in Computer science
 - GPA: 17.24/20
 - CSE Courses
 - * Data Structures and Algorithms
 - * Design and Analysis of Algorithms
 - * Coding Theory
 - * Elementary Cryptography
 - * Logic Circuits
 - * Numerical Linear Algebra
 - * Theoretical Foundations of Computability
 - * Graph Theory and its Applications

July 2018 - July 2022

Tehran, Iran

July 2018 - July 2022

Tehran, Iran

PROJECTS

- **Implementation of Classical Multidimensional Scaling (MDS) and Isomap** October 2022
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- **Automatic keyword & Key-sentence Extraction Using NMF & SVD** November 2022
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- **Video Compression Using High Order SVD** November 2022
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- **Face Recognition Using High Order SVD** December 2022
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- **Implementation of Page Ranking Algorithm** December 2022
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- **Clustering Using Non-negative matrix factorization** December 2022
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- **handwritten Classification With QR & SVD** December 2022
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- **Denoising Image Using SVD** December 2022
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- **Implementation of Linear Regression From Scratch** February 2022
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- **Implementation of Logistic Regression From Scratch** February 2022
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- **Implementation of KNN From Scratch** February 2022
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- **Implementation of Perceptron From Scratch** January 2022
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- **Implementation of Elastic-Net Regression From Scratch** January 2022
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- **Implementation of Compute Least Angle Regression From Scratch** January 2022
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SKILLS

- **Programming Languages:** Python(NumPy, Pandas, Scikit-Learn), C++, Matlab, PHP
- **ML & AI:** Deep Learning(PyTorch, TensorFlow)
- **DevOps & Version Control:** Git

HONORS AND AWARDS

- **top student recognition award** October 2021
K.N.toosi University of Technology
 - Recognized for exceptional academic performance, ranking 3rd out of 66 students in the Mathematics and Computer Science program based on cumulative GPA.
- **Direct admission to the M.Sc. program in Computer Science** July 2022
Amirkabir University of Technology
 - exempted from the national entrance exam due to academic excellence.
- **Direct admission to the M.Sc. program in Applied Mathematics** July 2022
Iran University of Science and Technology
 - exempted from the national entrance exam due to academic excellence.
- **Direct admission to the M.Sc. program in Data Science** July 2022
Tarbiat Modares University
 - exempted from the national entrance exam due to academic excellence.
- **Direct admission to the M.Sc. program in Data Science** July 2022
K.N.Toosi University of Technology
 - exempted from the national entrance exam due to academic excellence.

CERTIFICATIONS

- **Machine Learning Specialization by Coursera & Stanford Online** May 2023
 - * Supervised Machine Learning: Regression and Classification
 - * Advanced Learning Algorithms
 - * Unsupervised Learning, Recommenders, Reinforcement Learning
- **Mathematics for Machine Learning and Data Science Specialization by DeepLearning.AI** Aug 2024
 - * Linear Algebra for Machine Learning and Data Science
 - * Calculus for Machine Learning and Data Science
 - * Probability & Statistics for Machine Learning & Data Science
- **Deep Learning Specialization by Coursera & Stanford Online** Aug 2024
 - * Neural Networks and Deep Learning
 - * Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
 - * Structuring Machine Learning Projects
 - * Convolutional Neural Networks
 - * Sequence Models
- **Natural Language Processing Specialization by Coursera & Stanford Online** Aug 2024
 - * Natural Language Processing with Classification and Vector Spaces
 - * Natural Language Processing with Probabilistic Models
 - * Natural Language Processing with Sequence Models
 - * Natural Language Processing with Attention Models
- **Machine Learning by Coursera & Stanford Online (2011 course of Andrew NG with matlab)** Jun 2024
- **Machine Learning in Python with Scikit-Learn by INRIA & France Université Numérique** June 2024
- **Intermediate R by DataCamp** Jun 2024
- **Introduction to R by DataCamp** Jun 2024
- **Computer Vision by Kaggle** Jun 2024
- **Intro To Deep Learning by Kaggle** September 2024

ADDITIONAL INFORMATION

Languages: Persian (Native or bilingual proficiency), English (Full professional proficiency)

Interests: Machine Learning, Deep Learning, Generative AI, Fraud Detection

REFERENCES

1. Hassan Khodaiemehr

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Relationship: [e.g., Thesis Advisor, Manager, etc.]

2. Hossein Jowhari

Assistant Professor, Faculty of Mathematics
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3. Mohsen Rezapour

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