

EDUCATION

- **M.Sc. in Artificial Intelligence**, Sep 2022 – Present
Islamic Azad University Qods Branch, Tehran, Iran
GPA: 4.0
Thesis Title: An improved deep hybrid graph-based recommender system
Supervisor: Dr. Seyed Mahdi Jamei
- **B.Sc. in Computer Engineering – Software**, Sep 2016 – Jul 2020
Islamic Azad University Qods Branch, Tehran, Iran
Major GPA: 3.51/4.00
Final Project Title: Designing and developing an online store with PHP and SQL programming languages
Final Project Grade: 20/20
Final Project Supervisor: Dr. Robabeh Ghafari

RESEARCH INTERESTS

- Machine Learning
- Natural Language Processing (NLP)
- Large Language Model (LLM)
- Recommendation System
- Optimization Algorithms
- Data Mining

PUBLICATIONS

- **M. Payandeh** and A. Najafizadeh, "[A new approach to designing and developing a collaborative-interactive movie recommendation system based on the user's rating](#)," in The 20th National Conference on Computer Science and Engineering and Information Technology, Oral Presentation, 2023, August 16. Article Code: NCCIT-108019. GitHub Link: <https://github.com/miladpayandehh/Collaborative-Interactive-Movie-Recommendation-System>
- **M. Payandeh** and A. Najafizadeh, "[A new decision support system for heart failure prediction using a logistic regression algorithm](#)," in The 7th International Conference on Global Studies in Computer, Electrical, and Mechanical Engineering, Oral Presentation, 2023, December 13. (Accepted). Article Code: enconf7-00650044. GitHub Link: <https://github.com/miladpayandehh/Heart-Failure-Prediction>
- **M. Payandeh** and A. Najafizadeh, "[A new approach to body fat percentage prediction using linear regression](#)," in The 19th National Conference of Electrical, Computer and Mechanical Engineering, Poster Presentation, 2023, September 27. (Accepted). GitHub Link: <https://github.com/miladpayandehh/Body-Fat-Prediction>
- **M. Payandeh** and A. Najafizadeh, "[BBC News sentiment analysis and clustering using R and Python](#)," in 6th International Conference on Modern Research in Electrical, Computer, Mechanical and Mechatronics Engineering in Iran and Islamic World, Poster Presentation, 2023, June 21. Article Code: icecm6-00770094. GitHub Link: <https://github.com/miladpayandehh/bbc-news-sentiment-analysis>

PROJECTS

- ChatGPT Based Virtual Assistant using Python, May 2023
Available: <https://github.com/miladpayandehh/ChatGPT-Based-Virtual-Assistant>
- Classification using Graph Convolutional Network (GCN), Mar 2023
Available: <https://github.com/miladpayandehh/Classification-using-Graph-Convolutional-Network>
- Data Prediction and Text/Video Classification using LSTM, Feb 2023
Available: <https://github.com/miladpayandehh/Data-Prediction-and-Text-or-video-Classification-using-LSTM>
- Time Series Prediction Using GMDH Neural Network, Dec 2022

- Available: <https://github.com/miladpayandehh/Time-Series-Prediction-Using-GMDH-Neural-Network>
- Iris and Cancer Classification and Pattern Recognition based on LVQ, Oct 2022
Available: <https://github.com/miladpayandehh/Iris-and-Cancer-Classification-and-Pattern-Recognition-based-on-LVQ>
 - Generating Music using a Genetic Algorithm, Sep 2022
Available: <https://github.com/miladpayandehh/Generate-Music-with-GA>
 - CNN, VGG, and ResNet using Tensorflow, Aug 2022
Available: <https://github.com/miladpayandehh/CNN-VGG-ResNet-using-Tensorflow>

RELEVANT COURSEWORK

- Evolutionary Algorithms: 20/20
- Swarm Intelligence Algorithms: 20/20
- Advanced Artificial Intelligence: 20/20
- Advanced-Data Mining: 20/20
- Speech and Speaker Recognition: 19.75/20
- Statistical Learning Theory: 19.5/20
- Machine Learning: 18/20
- Neural Networks: 18/20

WORK EXPERIENCE

- **Website & Application Developer**, 2021 – 2023
Balmaske Store, Tehran, Iran
developed an online store and Android application for Balmaske Online Store
Website: <https://balmaske.com>, **App in Bazar Cafe:** <https://cafebazaar.ir/app/com.devwp.balmaske>
- **SEO Specialist**, 2020 – 2021
Khandabi Machinery Co, Tehran, Iran
Optimized and improved the company's online systems' search engine ranking through a comprehensive SEO audit
Websites: <http://khandabi.com/index.html>, <https://bazeekala.com/>
- **Freelancer**, 2017 – 2020
Website design and development
Example Projects: <https://zharfapodcast.com/>, <https://www.zafferanieh.com/>

COMPUTER SKILLS

- **Programming Languages:** Python, R, MATLAB, C++, PHP, JavaScript
- **Database Management:** SQL

HONORS & AWARDS

- Ranked as the 1st top student among more than 30 students of Artificial Intelligence at the end of Master's program, **Islamic Azad University Qods Branch**, Tehran, Iran, Jun 2023

TEST SCORES

- **TOEFL** will be taken on November 12, 2023
- **GRE** will be taken on December 01, 2023

REFERENCES

- **Seyed Mahdi Jamei** (Assistant Professor)
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- **Mostafa Haghi Kashani** (Assistant Professor)
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- **Akram Reza** (Associate Professor)
Department of Computer Engineering, **Islamic Azad University Qods Branch**, Tehran, Iran
Email: a.reza@qodsiau.ac.ir