

ABOUT ME

My name is Milad Payandeh. I hold a Master's degree in Artificial Intelligence and a Bachelor's degree in Computer Science with a focus on Software Engineering from Islamic Azad University, Shahre Qods Branch. I am deeply passionate about ML, DNN, NLP, and LLM. My master's thesis, titled "An Improved Graph-Based Deep Hybrid Recommender System," reflects my dedication to these fields. During my master's program, I completed a variety of relevant courses, such as Evolutionary Algorithms, Swarm Intelligence Algorithms, Advanced Artificial Intelligence, Advanced Data Mining, Speech and Speaker Recognition, Statistical Learning Theory, Machine Learning, and Deep Neural Networks, achieving an overall GPA of approximately 4.0 (19.45/20). Throughout my studies, I built a solid foundation in artificial intelligence and contributed to four conference papers, one journal paper, and various related projects. **I am now seeking a job position** where I can utilize my skills and knowledge in artificial intelligence.

EDUCATION

- **M.Sc. in Artificial Intelligence**, Sep 2022 – Jun 2024
Islamic Azad University Qods Branch, Tehran, Iran
GPA: ≈ 4.0 (19/45 out of 20)
Thesis Title: An improved graph-based deep hybrid 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: ≈ 3.2 (15/78 out of 20)
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

PUBLICATIONS

- **M. Payandeh** and Seyed Mahdi Jameii, "IGDHRs: An Improved Graph-based Deep Hybrid Recommender System," in Knowledge and Information Systems, 2024, June 30. Under Review.
GitHub Link: <https://github.com/miladpayandehh/bbc-news-sentiment-analysis>
- **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: enpconf7-00650044. 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

- **Road Lines Detection**, Jan 2024
Available: <https://github.com/miladpayandehh/Road-Lines-Detection>
- **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>

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://bazeikala.com/>
- **Freelancer**, 2017 – 2020
Website design and development
Example Projects: <https://zharfapodcast.com/>, <https://www.zafferanieh.com/>

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

COMPUTER SKILLS

- **Programming Languages:** Python, R, MATLAB, C++, PHP

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 2024