Mohammad Mazaheri

DATA SCIENTIST · ML ENGINEER

Iran - Isfahan/Tehran

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Personal Profile

I hold a Master's degree in Computer Science with a specialization in Artificial Intelligence, focusing on Machine Learning and Graph Processing, particularly within pharmaceutical applications. I commenced my programming journey in 2016 with C++ and C#, subsequently attaining professional proficiency in Python. I possess practical experience in machine learning, deep learning, computer vision, and large language models (LLMs), complemented by an intermediate proficiency in prompt engineering. Through the application of FastAPI, Git, Docker, and CI/CD pipelines within an MLOps framework, I have successfully overseen the development and deployment lifecycle of machine learning models. Furthermore, I demonstrate strong capabilities in data visualization and analysis utilizing a range of tools. I am committed to contributing to innovative, data-centric projects in the domain of artificial intelligence.

Education

University of Isfahan   *Isfahan, Iran*
Master of Science in Computer Science (AI)   *Sep 2022 - Sep 2025*
   Thesis: Prediction of Drug-Target Interactions using deep Learning Methods

University of Isfahan   *Isfahan, Iran*
Bachelors, Computer Science   *Oct 2016 - Jun 2021*
   Bachelor's Project: Stock Price Prediction using Statistical and Machine Learning Methods

Work Experience

University of Isfahan   *Isfahan, Iran*
Teaching Assistant
- **Deep Learning** for Computer Science students   *Feb 2024 – Jul 2024*
- **Advanced Programming** for Mathematics students   *Feb 2023 – Jun 2023*
- **Artificial Intelligence** for Computer Science students   *Sep 2022 – Jan 2023*

University of Isfahan   *Isfahan, Iran*

Computer Technician   *Feb 2018 - May 2018*
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University Projects

Stock Price Prediction using Statistical and Machine Learning Methods (Python, DL)   *Isfahan, Iran*
University of Isfahan   *July 2022 - Feb 2020*

Snake Game (C#) – Github Link (Basic, Advanced)   *Isfahan, Iran*
University of Isfahan   *Sep 2019 - Feb 2020*

Password Manager (C#, SQLite) - Github Link   *Isfahan, Iran*
University of Isfahan   *Sep 2019 - Feb 2020*

Daneshjooyar (C#, SQL Server)   *Isfahan, Iran*
University of Isfahan   *Jan 2018 - May 2018*

Skills

Programming Languages	Python (Advanced), C# (Intermediate), Bash scripting
Machine Learning	PyTorch(Advanced), TensorFlow(Intermediate), Scikit-learn(Advanced), Computer Vision, Large Language Models (LLMs), Prompt Engineering, AI Agents, Sequence Models, Graph Neural Networks (PyTorch Geometric, DGL, NetworkX).
Data Analysis	Pandas, NumPy, Time-series Analysis.
Data Visualization	Matplotlib, Seaborn, Plotly, Power BI (Beginner), Excel (Intermediate).
Data Engineering	FastAPI (API development), Docker, Git, Linux, Web Scraping (BeautifulSoup, Selenium), SQL (Intermediate).
ML Ops	Model Deployment with FastAPI and Docker, CI/CD Pipelines.
Soft Skills	Problem Solving & Initiative, Leadership & Team Collaboration, Time Management & Planning, Mentoring & Teaching, Adaptability & Resilience, Creativity & Innovation, Attention to Detail & Communication, Self-Learning & Continuous Improvement.

Interests

Linux	I have been using Linux since 2020, starting with Ubuntu GNOME. I enjoy exploring different distributions and customizing my system for optimal performance.
Artificial Intelligence	I have a strong interest in machine and deep learning, working on various projects and continually expanding my knowledge in this field.
Graph Networks	I am fascinated by graph networks and their applications in data analysis and artificial intelligence. I actively explore and study this area.
Drug Repositioning	I am interested in drug repositioning and currently studying its methodologies and applications to discover new therapeutic uses for existing drugs.
Reading and Books	I have a passion for reading and enjoy exploring various genres of literature, both fiction and non-fiction.

Languages

Persian	Native proficiency
English	Basic proficiency