Vajihe MOBASHERI

PROFILE

I'm a Data Science graduate with a keen interest in the application of Artificial Intelligence in the medical field. My master's thesis focused on disease diagnosis using medical images, where I developed deep learning models to improve diagnostic accuracy. I also have work experience in Business Intelligence and Artificial Intelligence. I'm eager to pursue a Ph.D. in AI, focusing on its applications in healthcare, to contribute to innovative research that integrates data science with medical advancements.

CONTACT DETAILS

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✈ Tehran, Iran

PERSONAL INFORMATION

Date of birth: **13/03/1998**
Citizenship: **Iran**
Family: **Single**
Languages: **English** (B2), **Persian** (native)

SOFT SKILLS

- Teamwork
- Responsible
- Crisis Management
- Good interpersonal skills

HOBBIES

- Reading (psychology and Personal Development)
- Gardening

RESEARCH INTEREST

◇ Image Processing ◇ Deep Learning ◇ Computer Vision ◇ Artificial Intelligence

EDUCATION

MASTER IN DATA SCIENSE(supervised by Dr. Sohrab Effati).Faculty of Mathematics. *Ferdowsi University of Mashhad.* **2022–2024**
◇ Thesis title: *Classification of medical images containing noise using least squares twin support vector machine method with uncertain data.*
◇ Classification, Image Processing.
◇ Grade: 3.68/4

BACHELOR OF APPLIED MATHEMATICS. Faculty of Mathematics. *Ferdowsi University of Mashhad.* **2016–2021**

WORK EXPERIENCE

AI RESEARCHER at *Faraz Pajohan.* **2024.03–pres.**
◇ Conducting research on large language models and artificial intelligence to identify optimal methods and tools for product development.
◇ Utilizing frameworks like LangChain and ChainLit for AI-driven solutions.
◇ Writing research articles to support product ideas and innovations.

BUSINESS INTELLIGENCE ANALYST at *Faraz Pajohan.* **2022.10–2024.3**
◇ Data Analysis.
◇ Designing KPI Dashboards and Data Visualization.

SKILLS

Programming Languages: `Python`

Libraries: `Pandas, Numpy, Sk-learn, Vega-Altair, Matplotlib`

AI Frameworks: `LangChain, ChainLit, Dify`

Tools: `Git, PowerBi, Tableau, LaTeX`

CERTIFICATES

COMPREHENSIVE DATA SCIENCE SPECIALIZATION **2021–2022**
◇ Tehran University

DASHBOARD DESIGN WITH MICROSOFT POWER BI **2021**
◇ Tehran Institute of Technology

SELECTED COURCES

Course	Grade
◇ *Big Data*	3.6/4
◇ *Text Mining*	3.5/4
◇ *Machine Learning*	3.4/4
◇ *Data Science Algorithms*	3.4/4
◇ *Optimization and Neural Networks*	3.4/4
◇ *Mathematical Foundations of Data Science*	3.4/4

PROJECTS

DANAYAR
⋄ Developed an AI system called "Danayar" that processes organizational documents and enables a question-answering interface with document referencing.
⋄ Technologies Used: `LangChain, Chainlit, Retrieval-Augmented Generation(RAG)`

PRESENTATION

What is Gradient Descent?	**2024**
Attention Is All You Need.	**2023**
What is Elasticsearch?	**2023**
What is Feature Selection?	**2022**
What is PCA and how does it work?	**2022**

PUBLICATIONS

Danayar: A Secure and Intelligent Companion for Organizational Managers in Data-Driven Analysis and Decision-Making.   **2024**
⋄ Vajihe Mobasheri; Rasoul Ramezanian; MuhammadReza FatehiNia; Somaye Soltani
⋄ Type: *Academic-Industrial Research Paper*
⋄ 21th International Conference of the Iranian Society of Cryptology.

OTHER ACTIVITIES

ORGANIZER OF 3 POWER BI TRAINING WORKSHOPS.Faculty of Mathematics.
Ferdowsi University of Mashhad.   **2021,2022,2024**
⋄ Scientific Association of Statistics.

REFERENCES

Prof. Sohrab Effati
POSITION:Professor
EMPLOYER:Ferdowsi University of Mashhad, Iran
EMAIL:s-effati@um.ac.ir

Prof. Omid Soleimani-Frad
POSITION:Associate Professor
EMPLOYER:Ferdowsi University of Mashhad, Iran
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Prof. Rasoul Ramezanian
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