

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

- ✉ [vajihemobasheri76@gmail.com](mailto:vajihemobasheri76@gmail.com)
- ☎ +98 921 875 95 29
- 🌐 [vajihemobasheri76.wixstudio.io](http://vajihemobasheri76.wixstudio.io)
- 🐙 [github.com/VajiheMobasheri](https://github.com/VajiheMobasheri)
- 🌐 [linkedin.com/in/VajiheMobasheri](https://www.linkedin.com/in/VajiheMobasheri)
- 📍 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 SCIENCE(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  
*Relational Databases:* MySQL  
*NoSQL Databases:* Elasticsearch  
*Tools:* Git, PowerBI, Tableau, ~~W~~TeX

PROJECTS

DANAYAR  
◇ Developed an AI system called "Danayar" that processes organizational documents and enables a question-answering interface with document referencing at *Faraz Pajohan.* **2024**  
◇ 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**

SELECTED COURSES

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

PUBLICATIONS

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

CERTIFICATES

COMPREHENSIVE DATA SCIENCE SPECIALIZATION **2021-2022**  
◇ **Tehran University**  
  
DASHBOARD DESIGN WITH MICROSOFT POWER BI **2021**  
◇ **Tehran Institute of Technology**

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  
EMAIL:**soleimani@um.ac.ir,omidsfard@gmail.com**  
  
**Prof. Rasoul Ramezani**  
POSITION:Senior Researcher  
EMPLOYER:University of Lausanne, HEC, Switzerland  
EMAIL:**rasoul.ramezani@unil.ch,rasool.ramezani@gmail.com**