

Mohsen Karimi | AI Strategy Lead | Senior Data Scientist

Tehran, Iran

☎ (+98) 917-312-7673 • ✉ mohsen.karimi.twenty@gmail.com
in [linkedin.com/in/mohsen-karimi-ai/](https://www.linkedin.com/in/mohsen-karimi-ai/)

Professional Summary

Visionary AI Leader with a Ph.D. in Artificial Intelligence and 10+ years of applied research and industry experience, specializing in bridging cutting-edge research with high-impact product development. Proven track record in **designing and executing a comprehensive AI strategy** from concept to production, with specialized expertise in **Generative AI, Large Language Models (LLMs), RAG systems, and ASR**. Experienced in leading and mentoring data science teams, defining technical standards, and architecting scalable MLOps pipelines (Docker, Airflow, Kafka) to ensure the quality, security, and stability of deployed models. Seeking to leverage strategic vision to drive commercial, operational, and product innovation in a dynamic e-commerce startup environment.

Core Expertise & Technical Standards

- **AI Strategy & Leadership**
- AI Strategy & Roadmap Design
- R&D Management, Team Mentorship
- **MLOps & Engineering**
- Scalable System Architecture
- Docker, Airflow, Kafka, MLflow
- MongoDB, SQL, Git, Azure
- **Generative AI & NLP**
- LLMs, RAG Architectures, ASR
- LangChain, Transformer Models
- **Core ML/DL**
- Machine Learning, Deep Learning, Financial AI
- Python, C++, TensorFlow, Keras

Work Experience

Senior Data Scientist (Scientific Leadership Track).....

Charisma

Tehran, Iran

Senior Data Scientist (Scientific Leadership Track)

Aug 2022 – Current

- **Directed the strategy and deployment of Generative AI solutions** (RAG-based LLMs) for production chatbot development, enabling intelligent user interaction and supporting product objectives.
- **Architected and deployed end-to-end ASR workflows** to transcribe and analyze high-volume customer support calls, integrating LangChain + LLMs for deriving business-critical insights and summarization.
- **Provided scientific and technical leadership** to R&D teams, reviewing scientific approaches and guiding solution design to translate complex business requirements into high-impact AI research projects.
- **Defined technical standards** and operationalized production-ready AI services by designing multi-service platforms using **Docker, Airflow, Kafka**, and Python/MATLAB, ensuring system scalability and stability.

Data Scientist (Platform Development).....

Tensurf

Silicon Valley, USA (Remote)

Data Scientist (Platform Development)

Dec 2020 – Aug 2022

- **Spearheaded the creation of a machine learning platform** for NYSE markets from inception to deployment, demonstrating full-stack AI system development capability (relevant to startup launch experience).
- **Enhanced system performance** by implementing and optimizing over 15 high-frequency trading algorithms (C++) through Python-based systems.
- Designed a highly efficient optimization framework for complex trading strategies using SQLite, C++, and Python, significantly enhancing decision-making efficiency.

Faculty Member (Mentorship & Research).....

Shiraz Pasargad Higher Education Institute	Shiraz, Iran
<i>Faculty Member (Mentorship & Research)</i>	<i>Sep 2012 – Jun 2022</i>

- **Mentored the next generation of AI talent** by supervising Master’s theses in applied AI and Machine Learning, focusing on practical application and scientific rigor.

Education

Shiraz University	Shiraz, Iran
<i>Ph.D. in Computer Engineering – Artificial Intelligence</i>	<i>2012 – 2021</i>
Shiraz University	Shiraz, Iran
<i>M.S. in Computer Engineering – Artificial Intelligence</i>	<i>2010 – 2012</i>