

# Mehdi Sharifi

Agentic AI Architect · AI/ML Engineer

Tehran, Iran · [Sharifi76@aol.com](mailto:Sharifi76@aol.com) · +98 903 458 8304 · [linkedin.com/in/Sharifi76](https://www.linkedin.com/in/Sharifi76) · [kaggle.com/sharifi76](https://www.kaggle.com/sharifi76) · Telegram @ExtaCy

AI/ML engineer with 3+ years turning frontier research into production systems. Specialised in **agentic architecture** — autonomous agents that plan, retrieve (RAG), call tools, remember, and act across real workflows — with observability-first LLM infrastructure. IEEE-published author; Kaggle Notebooks Expert (top 0.3% of 57,000+ globally). Currently a Ph.D. candidate in Artificial Intelligence.

## EXPERIENCE

- AI & Agentic Engineer — Blu Bank (via Rahgozin Rayane)** 2024 – Present · Tehran  
Production conversational & agentic AI for Iran's leading digital bank: secure transactional dialogue flows, NLP intent recognition and entity extraction, LLM-powered assistance — under financial-grade data-security standards.
- AI & Agentic Engineer — Tejarat Shayan** 2025 – Present · Tehran  
Architected an agentic support assistant: full RAG pipeline over internal knowledge bases and external sources, Langfuse observability, OpenRouter multi-provider LLM orchestration, agentic actions on a secure Django + REST backend. Also built an AI database-security monitor that flags anomalous live queries in real time.
- Full-stack AI Engineer — ML4Tech** Shipped product  
Multilingual document-Q&A chatbot: FAISS-backed RAG with OpenAI/HuggingFace LLMs, query suggestions, Next.js + TypeScript front-end.
- AI Engineer — Ekeepa (Telegram commerce bot)** 2023 – 2025 · Tehran  
AI-driven ticket-sales bot: personalised recommendations, NLP feedback summarisation, automated promotions — measurably increased engagement and revenue.
- Research & Data Engineering — NORC Lab, Amirkabir University** 2021 – 2023 · Tehran  
Document-driven RAG Q&A system (LangChain + FAISS + Streamlit) for secure private-document answering; Python crawler mapping alumni career trajectories (Selenium, BeautifulSoup, Pandas).

## RECOGNITION

- IEEE publication (2024):** “Real-time Audio Analysis for Detection of Apnea Intervals in Healthcare Systems” — deep learning for automated diagnostics. [ieeexplore.ieee.org/document/10931085](https://ieeexplore.ieee.org/document/10931085)
- Kaggle Notebooks Expert:** Top 150 of 57,000+ globally (top 0.3%) — 4 gold, 2 silver notebook medals, 1 competition bronze.
- Certifications:** DataCamp AI Engineer for Data Scientists — Associate (2025–2027); DataCamp Data Engineer (2025–2027).

## EDUCATION

- Ph.D. Computer Engineering (AI) · Islamic Azad University, Science & Research** 2024 – Present
- M.Sc. Computer Science · Amirkabir University of Technology** 2022 – 2024  
Thesis: “Generating Personalized Posts Using Hybrid Transformer Models”
- B.Sc. Computer Science · Islamic Azad University, Central Tehran** 2017 – 2022

## SKILLS

- Agentic systems:** planning & decomposition, tool calling / MCP, memory, self-correction, multi-agent orchestration
- LLM & RAG:** GPT-4, Llama, QLoRA fine-tuning, LangChain, Langfuse, OpenRouter, FAISS, Chroma, Pinecone
- ML engineering:** Python, PyTorch, HuggingFace Transformers, NLP, anomaly detection, signal/audio ML
- Backend & MLOps:** Django + REST, Docker, Kubernetes, Kubeflow, MLflow, PostgreSQL, MongoDB, Elasticsearch