Behtash Kiani

AI Engineer & Data Scientist || MSc Data Science
behtash.kiani@gmail.com LinkedIn GitHub

SKILLS

Languages & Databases: Python, R, SQL, PostgreSQL, MongoDB

ML & AI Frameworks: PyTorch, Scikit-learn, Google Agent Development Kit (ADK)

R Libraries: ggplot2, Dplyr, Tidyr

Data & Analytics: Pandas, NumPy, Matplotlib, Seaborn, Tableau

Deployment & Tools: FastAPI, Docker, Git

Domains: Fraud Detection, Deep Learning, LLMs, AI Agents, Computer Vision

Languages: Italian - Conoscenza professionale (C1), English (C2), Turkish (A2), Persian (Native)

WORK EXPERIENCE

Machine Learning Engineer (Internship) Jun 2024 – Oct 2025
Asan Pardakht *Tehran, Iran (Remote)*

- Prepared, cleaned, and validated structured and unstructured datasets for production machine learning pipelines, maintaining strict data integrity.
- Streamlined experiment tracking and metadata organization to improve result comparability and ensure end-to-end model reproducibility.
- Supported the core ML engineering team by implementing automated data-processing components using open-source tools to improve workflow throughput.
- Authored comprehensive technical documentation mapping data flows across pipeline stages, reducing cross-team onboarding and execution bottlenecks.

SELECTED PROJECTS

Local RAG Customer Support Chatbot | GitHub *Python / FastAPI / NumPy / Ollama*

- Engineered a production-grade RAG support system featuring a modular multi-file Python architecture and an asynchronous FastAPI backend.
- Built a zero-cost TF-IDF vector retrieval engine from scratch using NumPy and L2-normalized cosine similarity math for precise local context search.
- Integrated an offline Llama 3.2 model via Ollama with strict temperature tuning and data grounding to completely eliminate hallucinations.

University Course Management System | GitHub *Python / UML*

- Designed and developed a system for managing university courses using Python and UML class diagrams.
- Implemented features for adding/removing students, managing lecturer roles, and retrieving course information.

Spotify Wrapped – 4 Years of Listening | GitHub *JavaScript / Node.js / MongoDB / Express*

- Built a web application using the Spotify API to display the user's top songs with album artwork.
- Stored listening history in MongoDB and served content dynamically through a Node.js/Express backend.

EDUCATION

University of Milano-Bicocca Sep 2025 – Present
MSc in Data Science *Milan, Italy*

University of Campania Luigi Vanvitelli Sep 2021 – Dec 2025
BSc in Data Analytics *Caserta, Italy*