

AI Solutions Architect; production-grade agentic & ML systems, end-to-end.

SKILLS

AI Systems & Architecture	Production AI system design; agentic workflows & multi-agent orchestration; RAG architecture (vector stores, hybrid search, re-ranking); evaluation & observability pipelines; MCP-based tool integration
AI & Machine Learning	LLMs, NLP & GenAI (Transformers, RAG, LangChain); Computer Vision (Detection, Segmentation, OCR); Time Series Modeling; Supervised & Unsupervised Learning
ML Engineering & MLOps	End-to-end ML pipelines; model & GPU optimization (training, cloud & edge inference); containerization (Docker); CI/CD (GitHub Actions)
Programming & Tools	Python (Pandas, PySpark, scikit-learn, TensorFlow, PyTorch, OpenCV, FastAPI); SQL; JavaScript (React, Next.js); Power BI, Tableau; Terraform
Cloud & Data Infrastructure Languages	Azure: App Services, Functions, VMs, AI Foundry, Storage; GCP: BigQuery, Spark, Dataproc, Vertex AI English (Full professional proficiency); Italian (Professional working proficiency); Persian (Native)

TECHNICAL EXPERIENCE

AI Solutions Architect **Oct 2023 — Present**
Corporate Hangar *Milan, Italy*

- Architected and delivered an end-to-end computer-vision system for leather-defect detection for a top luxury brand, owning the full pipeline from annotation strategy through model training to Azure production deployment; achieved >80% precision/recall and validated the prototype for phase-two expansion.
- Designed and productionized an agentic AI reporting system for IoT energy data across 50+ sites, architecting the full stack (ingestion, API layer, prompt orchestration, templating, feedback loops) to let clients surface consumption patterns and flag anomalies autonomously.
- Architected production-grade RAG systems with custom memory stores, caching, MCP-based tool integration, multi-agent orchestration, and evaluation pipelines; built LLM applications for SQL generation, semantic search, and document retrieval reaching ~100% answer accuracy on clean data.

Data Scientist **Jun 2022 — Oct 2023**
Vodafone *Milan, Italy*

- Owned the NPS analytics stream in the Big Data team, designing data pipelines on Google Cloud to process 10M+ records daily and drive predictive modeling.
- Built an NLP system using language models to identify and categorize drivers of customer detraction, delivering actionable insights to marketing, product, and customer-care teams.

Founding Engineer → Co-Founder **Jul 2021 — Dec 2024**
AiWay *Milan, Italy*

- Founding engineer owning architecture and stack decisions for cloud and edge computer-vision solutions deployed in production.
- Designed and built an advanced image-segmentation model achieving 2× performance gain over the prior approach.
- Architected real-time detection systems (YOLOv5 + transfer learning) optimized for both cloud and constrained edge deployment.

Consultant → Project Leader **Sep 2020 — Jul 2022**
BSI Bocconi *Milan, Italy*

- Led a team of five designing OCR + Transformer-based text recognition and content classification pipelines.
- Rebuilt PowerBI data models for BeSight Italy and shipped a Python package for Twitter sentiment analysis (Git).

EDUCATION

M.Sc in Data Science and Business Analytics, Bocconi University 2020 — 2021
Bocconi Merit Award | Class & Course Representative | GPA: 110/110

B.Sc in Industrial Engineering and Management Systems, Amirkabir University of Technology (Tehran Polytechnic) 2015 — 2019
Teacher Assistant | Top 5% | GPA: 3.81/4

ACTIVITIES

Chess hobbyist (Elo ~1800) • Brazilian Jiu-Jitsu (Blue Belt) • Piano, Swimming, and Fitness Champion (University & State) • Salsa & Bachata • Former Head of University Music Association • Calisthenics • Hiking