

Mirco Quintavalla

AI Engineer

Profile

I am an AI Engineer with a strong academic foundation in Machine Learning and Data Engineering. My professional experience revolves around developing and optimizing AI-driven solutions to address complex challenges. I am passionate about staying at the forefront of emerging technologies and continuously expanding my skill set. I am currently seeking a role that will provide opportunities for both professional growth and the chance to contribute meaningfully to innovative AI projects.

Work Experience

● Oct 2024 - Present
Humanitas I Via Rita Levi Montalcini 4, Rozzano

AI Engineer

Key Contributions:

- Designed and built a platform for synthetic medical data generation and validation, empowering healthcare organizations with privacy-preserving and high-quality data for research and AI model training
- Built and launched a validation framework for synthetic data, providing automated metric-based assessments to improve data reliability and model performance.

Technical Skills & Technologies: Python, C#, SQL, Qdrant, GCP, Azure, Keycloak, Ollama, Langchain, PyTorch, Docker, RabbitMQ

● Jan 2022- Oct 2024
Hyntelo I Via Pietro Nenni 24, Pisa

Full-stack developer

Key Contributions:

- Developed and integrated Identity and Access Management (IAM), allowing the application to support multiple tenants and scale to new customers.
- Developed and integrated a content extraction module into the product pipeline, leveraging libraries and AI models to process textual, audio, and video files, expanding tagging capabilities across diverse formats.
- Developed a scalable RAG-based retrieval system, enabling in-depth document analysis and allowing users to extract key insights.

Technical Skills & Technologies: Python, C#, Angular, Typescript, Redis, SQL, MongoDB, Qdrant, Neo4j, AWS, Azure, Runpod, Keycloak, Celery, LLamaindex, Whisper, FastAPI, Pydantic, Docker

Certifications

- **Python Associate Programmer** Apr 2025 - Python Institute
- **MongoDB Associate Developer** Mar 2025 - MongoDB
- **AWS Cloud Practitioner** Jun 2023 - Amazon Web Services
- **First Certificate in English** Jun 2019 - Cambridge University

Languages

Italian
Native

English
B2

Contact

mirco.quintavalla@gmail.com

+39-3341744721



Education

- **University of Pisa**
Master Degree in Artificial Intelligence and Data Engineering
Completed in 2021, final grade 110/110 cum laude
- **University of Pisa**
Bachelor Degree in Computer Engineering
Completed in 2019, final grade 106/110

Soft Skills

- Positive-mind
- Curiosity
- Problem-solving
- Adaptability
- Teamwork
- Time management

Technical Skills

- Python
- C#
- RAG
- Docker
- SQL DB
- AWS
- NoSQL DB
- Vector DB
- REST API
- ML