

# Matteo **Massetti**


Senior Machine Learning Engineer

*Assisi, Italy*

(+39) 377 114 4748 | matteomassetti8@gmail.com | matteomass.github.io | MatteoMass | matteo-massetti


## About Me

Senior Machine Learning Engineer with 5+ years of experience, specialized in agentic AI and multi-agent systems. Strong engineering background across full-stack development and cloud platforms, applied to building production-grade solutions for enterprise clients in regulated sectors. Experienced in technical leadership, client-facing delivery, and mentoring engineers.

## Experience

### Machine Learning Reply

*Milan, Italy*

Senior Machine Learning Engineer — *Jan. 2026 - Present*

- Lead the design and delivery of end-to-end ML and GenAI solutions for enterprise clients on Google Cloud and AWS, defining the technical architecture and ensuring quality and scalability from PoC to production.
- Technical reference point for a business unit of about 20 people; manage and mentor 4-5 junior engineers and contribute to pre-sales and technical proposals.

Key projects:

- Architected the core multi-agent logic of an agentic platform for a major Italian media and telecommunications group, with RAG over tens of thousands of heterogeneous documents from the corporate intranet (SharePoint and other sources).
- Designed the real-time interaction pipeline of a digital human brand ambassador built on the Gemini Live API: low-latency bidirectional audio, barge-in handling and avatar integration, keeping responses consistent with the brand's tone and knowledge.
- Lead quality tuning of a LiveKit and Mistral voice assistant for a Greek financial services multinational, improving the audio layer and agent logic to reach production-grade quality.
- Built a GenAI-based ingestion pipeline on AWS that extracts structured data from emails and attachments for downstream workflows.

Machine Learning Engineer — *Jan. 2024 - Dec. 2025*

- Designed and delivered ML and GenAI solutions for enterprise clients in different sectors, mainly on Google Cloud.
- Built a multi-agent Text-to-SQL system on Google Cloud that lets a procurement department in the media industry query a relational supplier database in natural language, handling multi-table schemas and generating charts to surface insights from the results.
- Developed a GenAI assistant for guarantees analysis for a client in the travel and tourism industry, processing multiple data sources to identify insurance and contractual coverage across international regulations.
- Developed near-real-time anomaly detection on the data stream feeding the OTT platform of a media client, monitoring the health status of video and digital channels and flagging anomalies.
- Designed and delivered 10 workshops on cutting-edge AI technologies (multi-agent architectures, multimodal models, reinforcement learning) for a major Italian bank, tailored to specific business use cases, with 20-25 participants each.

### Micra s.r.l.

*Corciano, Italy*

Software Developer — *Jul. 2021 - Jan. 2024*

- Trained an ML model to read handwritten forms for a major luxury fashion company, automating the digitization of paper-based data.
- Full-stack developer of products, services and platforms in the banking and industrial sectors, using Python and Java.
- As part of the R&D group, studied new technologies, including Machine Learning and Artificial Intelligence, to improve the company's products and identify new solutions for customers.

## Skills

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|---|---|
| **GenAI & Agents** | LangGraph, LangChain, Google ADK, MCP, A2A, RAG, Prompt Engineering, Fine-tuning, LLM Evaluation |
| **Models & APIs** | Gemini (incl. Live API), Claude, GPT, Mistral, Hugging Face, LiveKit |
| **Machine Learning** | PyTorch, scikit-learn, Computer Vision, OCR, Anomaly Detection, Time Series |
| **Cloud** | Google Cloud (Vertex AI, BigQuery, Cloud Run), AWS (Bedrock, Lambda, Step Functions), Azure (Foundry) |
| **Engineering** | Python, SQL, HTML, JavaScript, CSS, Java, FastAPI, Docker, CI/CD |
| **Tools** | Git, Claude Code, Jupyter |

## Certifications

Jun. 2025 **Professional Cloud Developer**, Google Cloud — *Credly badge*

Oct. 2024 **Professional Machine Learning Engineer**, Google Cloud — *Credly badge*

## Education

### Università di Pisa — *Pisa, Italy*

Master's Degree in Computer Science, Artificial Intelligence curriculum — *Sep. 2019 - Jul. 2023*

- Final grade: 110/110 cum laude. Completed while working full-time.
- Thesis: *Leveraging Physical Cues for Learned Representations in Visual Question Answering*.

### Università degli Studi di Perugia — *Perugia, Italy*

Bachelor's Degree in Computer Science — *Sep. 2016 - Sep. 2019*

- Final grade: 110/110 cum laude. Thesis: *Multidimensional Link Prediction*.

### Istituto R. Bonghi — *Assisi, Italy*

Diploma in Administration, Finance and Marketing — *Sep. 2011 - Jun. 2016*

- Final grade: 98/100.

## Languages

Italian (native), English C1 (Trinity College London ISE III, Jul. 2023)

## Writing

### QUID, the digital magazine of Mensa Italia — *Articles in Italian*

Author — *Dec. 2024 - Present*

- "Questione di Scale" (QUID 14: Artificial Intelligence): argues that the most imminent risk of AI is humans using it to amplify existing harms, such as political micro-targeting, fraud and disinformation, through sheer scale.
- "L'infinito che ci rassicura e assopisce" (QUID 16: The End): how endless entertainment lets us escape awareness of our own finitude, drawing on Lem's *Solaris*.

## Memberships

Member of Mensa Italia, the high-IQ non-profit society, since 2022.