



MARIJA MANEVA

Data Science - AI Engineer

+39 3288238976

<https://github.com/marijamineva>

marijamineva99@gmail.com

Bruggerstrasse 9D, 5103 Wildegg
Switzerland

ABOUT ME

As an AI Engineer with 2 years of experience, with a background in Data Science, I specialize in automating complex tasks and systems using AI and by using tools like Python, LLMs, LangChain, LlamaIndex, vector databases and RAG architectures to create impactful solutions.

EDUCATION

Master's Degree in Computer Science Data Science

University of Pavia
2023-2025

Bachelor's degree in Computer and Electrical Engineering Bioengineering Department

University of Pavia
2019-2022

SKILLS

- Programming Languages: Python
- Cloud Platforms: AWS, GCP
- Big Data Technologies: Hadoop, Spark
- Data Analysis & Visualization: Pandas, Numpy, Matplotlib, SciPy, Scikit-learn
- Large Language Models (LLMs): Fine-tuning, Prompt Engineering
- Retrieval-Augmented Generation (RAG): LlamaIndex, FAISS, ElasticSearch, Pinecone
- AI Agents: LangChain, LangGraph
- Application Development Frameworks: Streamlit, Gradio

LANGUAGE

- Italian (native)
- English (C1 level)
- German (A1 level)

EXPERIENCE

Reply

2025 June - present

AI Engineer - Consultant / Fulltime / www.reply.com

- **Skill Agent:** Developed a conversational profiling tool for SDLC work using cloud-friendly services, PostgreSQL with SQLAlchemy/Alembic, shared use for many users, GPT-4 via LiteLLM, steady delivery flow, tracking and Angular.
- **Estimator Agent:** built Neo4J save/load ability, and supported login steps.
- **Proposal Validation Agent:** Built a full AI flow for checking business proposals with Python, FastAPI, OpenAI, LangChain, LangFuse, and RAGAS.
- **Business Analyst Chatbot:** Created a memory system that supports short-term and long-term storage for smooth chats.
- **File Processor:** Made a tool that sorts documents (code, technical notes, meeting notes, tasks) using meaning-based checks and a strong reading flow.
- **File Parser:** Built a reader for PDF, DOCX, and PPTX using PyMuPDF, python-docx, and Pillow, with a flexible GPT pick (Vision or Text) and fast, tidy processing.

Produkto

2023 Dec - 2025 March

Data Science - AI Engineer / Part-time / www.produkto.io

- Implementation of an AI-powered tool for automated logo generation
- Fine-tuning a deep learning model on a logo dataset
- Integration of a vectorization process to convert raster images into resolution-independent SVG formats

PROJECTS

Master Thesis : A Deep Learning Framework for Vector Graphics Generation using Stable Diffusion

Designed and deployed an end-to-end generative AI system using Stable Diffusion, including model fine-tuning, scalable inference, prompt optimization, and a user-facing interface for controlled image generation.

Business ChatBot Platform

Built an AI-powered chatbot platform delivering context-aware advisory services, designing end-to-end LLM systems capable of processing both structured and unstructured data.

Movie recommendation app

Developed conversational recommendation application using generative AI for personalized suggestions through natural language.

Cloud Computing Project - Scalable Distributed Application

Developed distributed, scalable, elastic and fault-tolerant application leveraging AWS cloud services.