

Kaan Goker

Machine Learning / AI Engineer

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SUMMARY

Machine learning engineer with an Advanced Master of AI from KU Leuven (NLP and speech, 2026). I build and ship end-to-end AI systems in Python: training and fine-tuning models (PyTorch, Hugging Face, QLoRA), building RAG and agentic applications (LangChain), and deploying them with FastAPI and Docker. I build tools that survive real users and real data, not fragile demos.

SKILLS

Python | PyTorch | Hugging Face Transformers | NLP | Automatic Speech Recognition (Whisper) | LLM Fine-Tuning (QLoRA / PEFT) | RAG Architectures | LangChain | Vector DBs (ChromaDB) | Agentic Workflows | LLM Evaluation | Prompt Engineering | FastAPI | Docker | GitHub Actions | scikit-learn | SQL | Pandas | Google Cloud (GCP) | Git

EXPERIENCE

Freelance AI Engineer | Remote *Dec 2025 to present*

- Build AI agents, agentic workflows and automation systems, integrating LLMs, RAG and voice AI into client applications.
- Deliver custom LLM work: fine-tuning, evaluations and API integrations (Gemini, Claude, OpenAI, Llama). Upwork: 100% Job Success.

Turkishle | Digital Media Analyst and Video Editor *Oct 2022 to Sep 2024 | Remote (USA)*

- Built an automated Python pipeline (Whisper + FFmpeg) that generates, splits and formats subtitles across 99 languages.
- Built a Python ETL pipeline aggregating channel analytics into weekly KPI dashboards that guided content strategy (15% watch-time lift).

KU Leuven (Pangaea) | Digital Content Strategist (part-time) *Sep 2020 to Jun 2023 | Leuven, Belgium*

- Designed data-driven content strategies and optimised engagement using platform analytics.

PROJECTS

Belgian AI Jobs Radar

- Daily pipeline that ingests Belgian AI job postings, extracts structured signals with Gemini, stores them in SQLite and publishes an ECharts dashboard; 400+ active roles tracked. Python, GitHub Actions, Azure.

GetSubtitlesApp

- Desktop and web app generating subtitles in 99 languages with faster-whisper; FastAPI, Streamlit, Docker, packaged with PyInstaller. Live on Hugging Face Spaces, 200+ downloads.

EU AI Act RAG Screener

- RAG assistant that screens AI systems against the EU AI Act with page-level legal citations. LangChain, Gemini, ChromaDB, Chainlit. Live on Hugging Face Spaces.

Latin Poetry Generator (master's thesis)

- QLoRA-fine-tuned Llama and Gemma models paired with a rule-based metre validator in an iterative feedback loop for constrained generation. PyTorch, Hugging Face, Weights & Biases; corpus published on the HF Hub.

Receptionist

- Trilingual (NL/FR/EN) voice receptionist: speech in and out, Gemini function calling for bookings into SQLite, FastAPI backend.

EDUCATION

Advanced Master of Artificial Intelligence (NLP and Speech) *KU Leuven | Sep 2024 to Sep 2026 | Belgium*

Master of Cultural Studies · Master of Philosophy · Bachelor of Philosophy *KU Leuven | 2017 to 2023 | Belgium* | *BA Philosophy, Yeditepe University, Istanbul | 2013 to 2017*

LANGUAGES

English (professional) | Turkish (native) | Dutch (A2) | French (A2)