

MORTEZA EZZABADY

AI & ML Engineer

Toulouse, France | morteza.ezzabady@irit.fr | morteza.ezzabady.com
[in](#) morteza-ezzabady | [mortezaezabady](#) | [Google Scholar](#)



SUMMARY

Machine Learning Engineer (4+ years) with hands-on experience in **LLM orchestration**, multi-agent assistants, and large-scale PDF/OCR pipelines over multimodal data. I design and ship end-to-end systems for real users: multi-agent LLM platforms, **recommendation systems**, and robust automation pipelines.

EXPERIENCE

Machine Learning Engineer

Dec 2024 – Nov 2025

[ANITI](#)

Toulouse, France

- AM2030:** Built the in-car **multi-agent orchestration layer** (LLM dialog manager) that converses with the driver, maintains session memory and guardrails, and routes requests to tools including a GNN-based recommender and **RAG explainer** for personalized playlists with natural-language rationales.

AI Research Engineer

Apr 2022 – Dec 2024

[IRIT](#)

Toulouse, France

- COCORELI:** Designed a multi-agent framework enabling LLM agents to cooperatively build user-defined structures in a **physics-based simulator**.
- QUALITY ONTO:** Led an end-to-end knowledge-graph construction pipeline (**entity/relationship extraction**, coref, schema alignment) across heterogeneous COVID-19 sources using LLMs.
- MASTER THESIS:** My **research** focused on representation and enrichment of event graphs.

Research Intern

May 2021 – Aug 2021

[ANITI](#)

Toulouse, France

- My research focused on improving the previous system on discourse segmentation.

Mobile Developer

Nov 2016 – Jun 2020

[Saafaa](#) / [Ketabchi](#) / [Parsijoo](#)

Yazd, Iran

- Led end-to-end **Android/iOS app** development for multiple products and mentored junior developers.

EDUCATION

M.Sc. Computer Science

2020 – 2022

[Paul Sabatier University](#)

Toulouse, France

B.Sc. Computer Engineering

2015 – 2019

[Yazd University](#)

Yazd, Iran

PROJECTS

[EZJob](#)

- Multi-agent LLM platform **automating** the job-application lifecycle (discovery → ranking → document generation → submission).
- Built orchestrator + agents (Search, Rank, Generate, Browser) with schema-validated I/O, stateful retries, and dynamic DOM handling (OTP/CAPTCHA, multi-step forms).
- Automated **1,000+ applications** for 50+ users, resulting in 10+ interviews/offers with <30 minutes of user effort.

SKILLS

Python

PyTorch

Transformers

scikit-learn

LLM agents

RAG

Ollama

Vector search

Playwright

FastAPI

Django

PostgreSQL

Redis

Docker

Linux

Git

AWS

Persian

Native

English

Proficient

French

Intermediate