

Anas Limem

AI Engineer

✉ limemanas0@gmail.com ☎ +216 21 293 957 📍 Tunisia 🔗 Portfolio 🌐 LinkedIn 🐙 Github 📝 Medium

PROFILE

Junior AI Engineer with hands-on experience building LLM-powered systems, AI agents, retrieval pipelines, and model optimization tools. Passionate about solving real problems with scalable, production-ready AI solutions. Strong foundation in Python, deep learning, and modern AI workflows, with practical experience deploying end-to-end applications.

PROFESSIONAL EXPERIENCE

AI Instructor, Eazycode Academy

- Teach core machine learning concepts, including data preprocessing, model development, and evaluation.
- Guide students through PyTorch-based neural network projects focusing on architecture design and debugging.

09/2025 – Present
Remote

AI Intern

DrugIT

- Built 4 AI agents using Google's ADK framework and deployed them across 4 MCP servers.
- Integrated Neo4j as the main graph database, improving drug-data mapping and retrieval efficiency.

10/2025 – Present
Tunis

Vision Age VFX

- Developed an automated feedback model generating user-specific evaluation metrics.
- Implemented an LLM-powered summarization system that auto-generates analytical reports.

09/2025 – 10/2025
Remote

BlueBlood

- Built a CV parsing system improving extraction accuracy by 30% across diverse formats.
- Enhanced candidate job matching using LLM embeddings, boosting ranking precision by 20%.

02/2025 – 05/2025
Remote

EDUCATION

B.Sc. in Computer Science, Higher Institute of Applied Sciences and Technology of Mateur

09/2023 – Present

SKILLS

Languages/Frameworks

Python, PyTorch, TensorFlow, Langchain, LangGraph, Pandas, Numpy, Matplotlib, FastAPI, Scikit-learn

AI/ML

RAG, Ollama, Langraph, CrewAI, ADK(Agent Development Kit), MCP

Database

MongoDB, PostgreSQL, Redis, Neo4j, FAISS, ChromaDB

DevOps/Deployment

Docker, Kubernetes, CI/CD, Git, Azure Blob Storage, Linux

PROJECTS

Optimizers-from-Scratch [🔗](#)

Developed a tiny MLP, implementing both the forward and backward passes from scratch (no autograd). Achieved 97% test accuracy and deepened understanding of neural network optimization internals.

VectorMind AI [🔗](#)

Designed and deployed an AI-powered platform for document Q&A. Users can upload PDFs or text files and receive context-aware responses powered by advanced language models. Managed document search and knowledge extraction for 50+ documents with real-time results.

AI-Career-Mentor [🔗](#)

Built a cloud-native application that analyzes CVs, matches them to job requirements, detects skill gaps, and generates personalized learning roadmaps. Integrated LLM APIs, vector search FAISS, and FastAPI to deliver actionable insights for users.

PUBLICATIONS

Positional Encoding Explained: How Transformers Understand Word Order, *Medium* [🔗](#)

Explains the types of positional encoding and why we use each.

11/2025

Understanding REFRAG: Efficient LLM Compression and Curriculum Learning Explained, *Medium* [🔗](#)

Explains how REFRAG improves LLM efficiency with curriculum learning.

09/2025

Mastering Learning Rate Schedulers in Deep Learning, *Medium* [🔗](#)

A practical guide to choosing and using learning rate schedules for better training results.

08/2025

Resume Extraction Isn't as Easy as I Thought, *Medium* [🔗](#)

Lessons learned and technical challenges faced while building a resume parsing tool.

02/2025

CERTIFICATES

Machine Learning Specialization [🔗](#)

Coursera

Getting Started with Deep Learning [🔗](#)

Nvidia

Fundamentals of Accelerated Computing with CUDA Python [🔗](#)

Nvidia

Generative AI with Diffusion Models [🔗](#)

Nvidia

Building Transformer-Based NLP Applications [🔗](#)

Nvidia

LANGUAGES

Arabic Native	English Professional	French Professional
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VOLUNTEER

IEEE, <i>Chair CS ISSATM SBC</i> <ul style="list-style-type: none">Organized and led technical events, workshops, and AI sessions for students.Supported project coordination and mentorship for new members in AI-related initiatives.Attended R8 CS SYP in Egypt and presented my Student Branch there.	10/2023 – Present
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