



ADRIÁN NAVARRO

AI ENGINEER | VISUAL ANALYTICS | DATA SCIENCE

CONTACT

Dlearning43@gmail.com

+34 633 212 004

[adrian-ai-datasience](#)

[Portfolio](#)

PROGRAMMING

PYTHON RUST SQL

JAVA C++ SOLIDITY

GEN AI&NLP

LANGCHAIN LANGSMITH

RAGAS HUGGING FACE

OPENAI CLAUDE GEMINI

LLAMA DEEPSEEK RAG

QWEN MULTI-AGENT RL

GRPO FINE-TUNING

PROMPT ENGINEERING

AI GUARDRAILS

CLOUD&DEVOPS

AWS AWS CDK AZURE

GCP GITHUB ACTIONS

DOCKER KUBERNETES

REDIS PINECONE FAISS

DATA SCIENCE

SECURITY PROTOCOLS

SYSTEM DESIGN PYTORCH

TENSORFLOW NUMPY

PANDAS REFACTORING

PARALLERIZATION

HADOOP PYTORCH

LATENCY REDUCTION

AGILE TRELLO

LANGUAGES

English

C1 High

Full Professional Proficiency.

Spanish

Native

Catalan

Native



PROFILE



My goal is to work in an AI product group where I can contribute to the end-to-end development of production-grade **Generative AI systems** while staying at the **forefront of the field**. I have led AI initiatives across the **full SDLC**, from strategic planning and POC design to MVP development and scalable deployment, making key architectural decisions around vector databases, embedding optimization, and high-performance retrieval strategies.

I have demonstrated experience working with **cloud platforms** such as **AWS** and **Microsoft Azure** and a strong background in Generative AI, having designed and deployed multiple RAG systems and AI-driven solutions for diverse clients. My expertise includes **LangChain, model fine-tuning, and rigorous evaluation** and benchmarking using Ragas to ensure deterministic and reliable outputs in enterprise environments.

My undergraduate thesis, **Summarization of Large Text Volumes Using LLMs**, evolved into a research paper that I had the honor of presenting as a poster at the **KDD24 Congress**.

WORK EXPERIENCE



Minsait (Indra Group) | AI Engineer & NLP Specialist

June 2024 – Present

- **Full Lifecycle Ownership:** Leading AI initiatives from strategic planning and POC design to MVP development and production-grade deployment (SDLC).
- **Architectural Decision-Making:** Owner of critical decisions regarding vector database selection (Elasticsearch, Pinecone, etc.), embedding optimization, and high-performance retrieval strategies.
- **Performance Engineering:** Refactored and parallelized complex AI pipelines, achieving an **80% reduction in processing latency** for enterprise clients.
- **Advanced NLP Solutions:** Designed **multi-agent workflows and RAG systems** using **LangChain, LangSmith, Gemini, Anthropic, and OpenAI**, integrated with AI Guardrails.
- **Enterprise Evaluation:** Established rigorous benchmarking using Ragas to measure **faithfulness and precision**, ensuring deterministic outputs in production.
- **Cloud & DevOps:** Architected scalable AI pipelines on Azure and AWS using Infrastructure as Code (AWS CDK) and **CI/CD via GitHub Actions**.

Hiberus (Grupo Henneo) | ML & AI Engineer

June 2023 – Sept 2023

- Developed **computer vision** algorithms using Python and **PyTorch** for pattern recognition.
- Prototyped initial LLM-based workflows and optimized resources on Microsoft Azure.

EDUCATION



upf. BSc in Mathematical Engineering in Data Science | UPF

2020 – 2024

Academic Rank: #1 in class. Average grade: 8.26. Courses taught in English.

- **Honors:** Linear Algebra, Algorithm Design, Visual Analytics, and Project Management.
- **Statistics & Data Analysis:** Application of statistical methods using **NumPy/Pandas** and large-scale visualization (**Streamlit, Tableau**).
- **Machine Learning & Big Data:** TensorFlow, PyTorch, distributed computing (Hadoop, GraphX), and **NLP/CV via Hugging Face**.
- **Programming & Product Management:** Advanced programming, prototyping, and cloud-based AI product management.

KEY MILESTONES



- **2026 Full-Stack AI Product Development:** Independently designed, built, and deployed personal secure AI applications.
- **2025 Professional Data Engineer Certification:** Google Cloud Platform (**GCP**) certified specialist.
- **2025 Fine-tuned a reasoning model (GRPO)** for complex integral resolution, achieving a **94% improvement**.
- **2024 Innovation Award at HackEPS 2024** for a project integrating **VR and AI agents**.
- **2024 Published and presented Research Paper** at **ACM KDD24 Congress**.