

JMWEB

AI / ML Student · Python · FastAPI · Docker · Madrid

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ABOUT ME

Artificial intelligence and machine learning student based in Madrid. I learn by building complete projects: data pipelines, models for tabular data and text, inference APIs and drift monitoring. The goal is for nothing to stay in the notebook.

I care about the technical part that demos usually skip: honest evaluation without leakage, calibrated probabilities, cost-based decision thresholds and systems that detect when new data drifts from training. I am looking for an internship or a first junior role where I can keep learning with that same standard.

AI / ML STUDENT · PERSONAL PROJECTS

JMWEB

Personal ML and AI portfolio built while studying. Reproducible training pipelines, models for tabular data and text, inference APIs with FastAPI and Pydantic, and drift monitoring with Prometheus and Grafana. I maintain a suite of open-source CLI tools for ML workflows published on PyPI, and contribute at Cylstat and to open source projects.

2024 — PRESENT MADRID

DIGITAL PRODUCT DEVELOPER

DIGITAL PROJECTS

Work across digital projects of various kinds: data analysis, automation, API integration and tool development for technical and business teams. The base where I built the habit of starting from data before any technical decision.

2019 — 2024 MADRID

DIGITAL TECHNICIAN

AGENCY / PROJECTS

First years working in digital environments: analytics tools, content management, basic process automation and technical support on product projects. Learned to work under pressure, document what I do and deliver without excuses.

2016 — 2019 MADRID

EDUCATION

Machine learning and AI studies (self-directed, ongoing)

Books (Mathematics for Machine Learning, ESLII, PRML), courses, personal projects · 2022 — Present

Digital technical training

Technical school (Madrid) · 2013 — 2016

TOOLS

PYTHON (SCIKIT-LEARN, XGBOOST, LIGHTGBM)

PYTORCH · TRANSFORMERS · HUGGINGFACE

FASTAPI · PYDANTIC · REST APIS

DOCKER · GITHUB ACTIONS · CI/CD

PROMETHEUS · GRAFANA · MONITORING

RAG · LANGCHAIN · OPENAI API

PANDAS · NUMPY · MATPLOTLIB

SQL · POSTGRESQL

NEXT.JS · TYPESCRIPT

LINUX · GIT

FEATURED PROJECTS

jmweb-org: suite of open-source CLI tools for ML workflows, published on PyPI with tests and CI

credit-risk-platform: end-to-end MLOps platform with FastAPI, Docker, PSI drift and Grafana

transformer-from-scratch: GPT-style transformer implemented from scratch in PyTorch with ablation study

Spanish translation contributions to OSS projects (HuggingFace, FastAPI)

math-for-ml: study repository for the Mathematics for Machine Learning book, 12 chapters

LANGUAGES

Spanish — Native

English — Advanced

INTERESTS

Mathematics for ML (linear algebra, probability, optimisation)

Technical reading and ML papers

Open source contributions

Madrid and its neighbourhoods