

Certifications

Google Cloud Professional Machine Learning Engineer	03/2026
Google Cloud Associate Cloud Engineer	02/2026
Scikit-learn Associate Practitioner, Probabl / Inria	01/2026

Technical Skills

Machine Learning: Python (advanced), scikit-learn, LightGBM, XGBoost, PyTorch, Optuna, SHAP, statistical modelling

LLM & Agentic AI: LangChain, LangGraph, MCP, RAG (ChromaDB), Ollama, OpenAI & Anthropic APIs, FastAPI

MLOps & Cloud: GCP (Vertex AI, BigQuery, Cloud Run, GKE), MLflow, Airflow, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions), Grafana, Elasticsearch/Kibana, Dataiku, n8n

Data: SQL, PostgreSQL, Snowflake, Power BI

Languages: French (native), English (fluent, TOEIC 950), Italian (conversational)

Professional Experience

Reserve Officer (Data Scientist) & Executive Training	Paris, France – At sea
<i>French Navy / iReMMO</i>	<i>09/2023 – Present</i>

- Data scientist within the French Navy digital reserve (05–09/2026): operational deployment aboard aircraft carrier *Charles de Gaulle* (mission *La Fayette 26*), followed by a shore-based period in Toulon.
- Ranked 2nd/180, French Navy staff program (PMS État-Major). Geopolitics of the Middle East (iReMMO).

AI/ML Engineer, Independent Projects	Paris, France
<i>Freelance</i>	<i>01/2025 – Present</i>

- **Vigie-01** (GitHub): Autonomous OSINT agent for defense/geopolitical monitoring – LangGraph multi-agent pipeline, FastAPI + React, per-claim source traceability.
- **Elec Forecast** (Case study · GitHub): 24h demand forecasting on GCP – BigQuery feature store, LightGBM, MLflow on Cloud Run, CI/CD, drift monitoring. Full production cycle, then decommissioned.
- **Vélib' Forecast** (GitHub): Bike-availability prediction across 1,500+ stations, full MLOps pipeline (ingestion, training, batch inference, monitoring).
- **MCP Ollama Agent** (GitHub): Agentic AI system – custom MCP server (FastAPI/SSE), LangChain ReAct, ChromaDB RAG, Ollama LLM. Also: open source contributor (Skore/Probabl); Kaggle top 2% worldwide.

Digital Transformation Consultant	Paris, France
<i>Espace Trinité</i>	<i>06/2025 – 05/2026</i>

- End-to-end digital transformation of a B2B venue: network and hardware overhaul, software stack migrations, automated operational workflows and trained non-technical teams on digital tools and best practices.

Data Scientist, Railway Infrastructure	Saint-Denis, France
<i>SNCF Réseau</i>	<i>10/2022 – 05/2023</i>

- Automated anomaly detection on railway track geometry data using statistical recalibration and spectral analysis; designed detection indicators (growth rate, defect clustering) to support field diagnostics on the national network.
- Built interpretable visualizations and reporting tools for maintenance technicians and engineers; reduced critical detection errors and cut manual analysis time by 50% across a team of 12 analysts.
- **Tech:** Python (Pandas, SciPy, scikit-learn, Seaborn, Plotly).

Data Scientist / Data Analyst, Urban Mobility	Issy-les-Moulineaux, France
<i>Transdev</i>	<i>06/2021 – 09/2022</i>

- Built NLP pipeline to monitor customer experience on Twitter (extraction, cleaning, sentiment classification); designed Power BI dashboards tracking fuel consumption and driver performance across 3 business units.
- Standardised multi-subsidary datasets, automated reporting workflows and migrated historical data to Snowflake; developed Excel/VBA benchmarking tool for HR and operational data (150 users).
- **Tech:** Python (scikit-learn, NLTK, Pandas), Power BI, Snowflake, Talend, Excel/VBA, Power Automate.

Education

Engineering Degree in Applied Mathematics	Cergy, France
<i>CY Tech</i>	<i>09/2019 – 06/2022</i>

Dual degree with the University of A Coruña (Spain) in High-Performance Computing