

Demba FOFANA

AI & Data Consultant | GenAI, RAG, AI Agents & Cloud

Data & AI profile focused on GenAI, RAG and cloud technologies, with a dual consulting and technical skill set. Experienced in business needs analysis, project coordination and the design of AI solutions using Python, SQL, APIs and cloud platforms.

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[GitHub](#)

[Linkedin](#)

TECHNICAL SKILLS

- **Generative AI:** RAG, AI agents, prompting, Ollama, LLM evaluation
- **Machine Learning & Data:** Python, SQL, scikit-learn, ML modelling, ETL
- **Cloud & Deployment:** GCP, AWS, Vertex AI, BigQuery, Cloud Run, APIs, Git
- **Consulting & Delivery:** Business needs framing, business/tech coordination, client workshops

PROFESSIONAL EXPERIENCE

Agatha - Freelance *AI Teaching Assistant & Trainer* - (Sep 2024 - Jun 2025)

- Framed business use cases and implemented automated workflows based on LLMs.
- Designed and deployed 10+ learning modules focused on data and AI.
- Led training sessions and workshops on generative AI for A.P.C., FDJ and emlyon business school.

Centric Software (Dassault Group) - *Consultant, Apprenticeship* - (Sep 2023 - Jun 2025)

- Contributed to the management of 6 PLM projects for retail and luxury clients, including Monoprix, LVMH, Aubade and Green Score Capital.
- Analysed business requirements, prioritised needs and coordinated business/technical stakeholders in multi-stakeholder environments.
- Conducted a PLM & ERP audit to identify process gaps and recommend product improvements.

AI PROJECTS

RAG — Business Document Assistant

- Designed a RAG assistant integrating document preparation, chunking, retrieval and context injection.
- Worked on document processing, chunking, retrieval and contextual response generation.
- Objective: improve access to information and increase answer relevance.

AI Agents — Multi-Step Task Orchestration

- Developed an LLM agent orchestrating extraction, contextual analysis and recommendation generation.
- Structured a workflow including tools, context memory, business rules and output validation.
- Focused on robustness, traceability and hallucination reduction.

Self-Hosted LLM

- Self-hosted an LLM on a VPS, including server configuration, API exposure and inference testing.
- Implemented model access logic to enable integration into AI workflows.

EDUCATION & CERTIFICATIONS

Mines Paris - PSL & Albert School - MSc Data for Business - 2025

- Python and SQL for data modelling, ETL automation and business reporting.
- Designed AI solutions based on LLMs using cloud platforms.
- Applied classification, regression and clustering models to business use cases.
- Ranked Top 3 in 5 business deep dives conducted for LVMH, Decathlon, CMA CGM and Carrefour.

Google Cloud Platform - Associate Cloud Engineer - In progress

- IAM, VPC, Cloud Storage, BigQuery, Cloud Run/GKE, Cloud Logging/Monitoring, Vertex AI, Gemini

Datacamp - Parcours ingénieur de données - 2025

- Skills in data processing, ETL pipelines and big data analysis using SQL and Python.

Conservatoire national des Arts et Métiers (CNAM) - Licence Économie-Gestion - 2023

LANGUAGES & INTERESTS

Languages: French — Native, English — B2

Interests: Boxing, reading — AI, economics, sociology — and community engagement.