Seydina Mouhamed Rassoul Sow

Full stack & AI developer · AI agents and business platforms

Master's in Artificial Intelligence & Big Data (ESP, UCAD), year 2 in progress

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PROFILE

I build AI agents and business platforms that actually run: field app, web interface, API and infrastructure, all the way to production on the client's side. Two industry internships (Senelec, Promobile) and freelance projects shipped for small businesses and startups.

EXPERIENCE

Full stack developer · internship · Promobile (Sirius Télécom Afrique), Dakar — Apr – Dec 2026 · 3 months extended by 6

- **Field Management**, the sales-force field tool (visits, stock, reporting, offline): 11 FastAPI services, Angular front end shipped as an Android app with Capacitor, PostgreSQL/PostGIS, Kafka, Keycloak, Traefik.
- 66-check QA gate before every release, ≈ 3,100 automated tests, acceptance on a real device; 160+ page technical handbook kept current by an automated check.
- Docker Compose deployment, user training and go-live on the client's own server (October 2026).
- Also: **Tirage**, a verifiable prize-draw Go binary (SHA-256 commit-reveal + HMAC, audit log, PDF proof), used for the Magal and Gamou campaigns; a Flutter + FastAPI self-care app; the new-offers microsite.

Full stack developer · internship · Senelec, IT department, Dakar — Jul – Nov 2025

- **CMMS**: Flutter mobile app for technicians (equipment, hierarchy, work orders, offline) and an Angular web interface; FastAPI on SQL Server, Redis cache, real-time notifications.

Full stack & AI developer · freelance · Projects for small businesses and startups — since Dec 2024

- **OTTO** (Sanoo InsurTech, 2026): car insurance platform for the WAEMU zone, WhatsApp agent and broker dashboard, in pilot. Sole developer: FastAPI, multi-tenant PostgreSQL (RLS), multi-provider LLM engine with automatic failover (DeepSeek, Qwen3), RAG, OCR.
- **Daara** (Sanoo Solutions, 2026): school enrollment and Wave / Orange Money payments on Gibbon (PHP), live one week after the first commit; 5 fixes submitted to the Gibbon open-source project.
- **KomKom** (2026): microservices e-commerce (FastAPI, RabbitMQ, Keycloak) with a React Native app. Websites: F' Consulting, TAM International, Luna Soulage, BioNature.
- **Kamal** (startup, Dec 2024 – Jan 2025): Python / Flask automation and migration of a PHP application to Python.

EDUCATION

Master's in Artificial Intelligence & Big Data · ESP, Cheikh Anta Diop University, Dakar · public — Y1 2025 – 2026 · Y2 in progress
projects: price prediction with drift monitoring, malware classification

Bachelor's in Software Engineering, Networks and Systems · ISM, Dakar · dual program with the Computer Science — 2022 – 2025
bachelor's of INU Champollion, Toulouse, France

Bachelor's in Mathematical Sciences and Computer Science · Moulay Ismail University, Meknes, Morocco — 2019 – 2022

SKILLS

Back end	Python (FastAPI), PHP, Go, Java (Spring Boot)
Front end & mobile	Angular, React, Flutter, React Native, Capacitor
Data & infrastructure	PostgreSQL / PostGIS, SQL Server, Redis, Kafka, RabbitMQ, Docker Compose, Traefik, Keycloak
AI & data	Supervised and semi-supervised machine learning (scikit-learn), Spark, Hadoop / MapReduce, multi-provider LLMs (DeepSeek, Qwen, local models), RAG, OCR
Quality	Playwright, automated testing, QA gates, architecture decision records (ADR)

LANGUAGES

French · professional English · Wolof

CERTIFICATIONS

CCNAv7 Introduction to Networks, IT Essentials (Cisco)