

/Amina Mbengue

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DATA SCIENTIST · DATA ENGINEER (GCP) · FULL-STACK DEVELOPER

Data Scientist (MS in Analytics) and full-stack developer who turns raw operational data into tools teams use every day. Currently building production and talent data platforms at PETROSEN E&P, Senegal's national oil company, and running Pluxxel. I lead analytical, technical, and web projects end to end, from scoping to delivery. Recently built an end-to-end Google Cloud pipeline (BigQuery, BigQuery ML) on open North Sea production data. Bilingual (English & French).

SKILLS

// DATA SCIENCE

- Python (pandas, NumPy)
- R & SQL
- scikit-learn · TensorFlow / PyTorch
- Statistics & ML Modeling
- Data Visualization

// CLOUD & DATA ENG.

- GCP: BigQuery & BigQuery ML
- Scala & Apache Spark
- SQL ELT Pipelines & Data Quality
- Docker

// WEB DEVELOPMENT

- HTML & CSS
- JavaScript / TypeScript
- React / Next.js
- Tailwind CSS · Node.js & Prisma
- Git & GitHub

// PROFESSIONAL SKILLS

- Project Scoping & Planning
- Cross-functional Coordination
- Stakeholder Communication

LANGUAGES

French	**Fluent**
English	**Fluent**

EDUCATION

MS, ANALYTICS (DATA SCIENCE)
Georgia State University · Atlanta, USA
May 2024

BS, GEOSCIENCES (GEOLOGY)
Georgia State University · Atlanta, USA
Jan 2022

WORK EXPERIENCE

DATA ENGINEER · PRODUCTION DATA

PETROSEN E&P — Dakar, Senegal · *Sep 2026 — Present*

Building the data tools behind two internal programs at Senegal's national oil company, from data model to deployed app. Key achievements:

- Automated Sangomar & GTA reporting: **1,000+ daily reports**, **28 wells**.
- Audited **181k+ parsed fields** against source, with **0 mismatches**.
- Built an engineer certification tracker with automated renewal alerts.

FULL-STACK WEB DEVELOPER · FOUNDER

Pluxxel — Dakar, Senegal / New York, USA · *Dec 2025 — Present*

I design and build custom websites and web apps end to end for clients across Senegal and the US. Key achievements:

- Shipped sites for an aviation academy, beauty brands & a media studio.
- Built booking, RSVP & lead-capture systems with live Google Sheets sync.
- Launched an AI cinematic ad service with custom AI characters.

DATA PROJECT MANAGER · FREELANCE

Nashnal Soil Testing LLC — Chicago, USA (Remote) · *Jun 2024 — Present*

Geotechnical data projects, now on a freelance basis: coordinating engineers, project managers, and external clients from planning to delivery. Key achievements:

- Tracked **40+ field investigations** and **1,000+ lab tests**.
- Automated analytical workflows, boosting productivity by **30%**.
- Data-driven recommendations that lifted team efficiency by **20%**.

GRADUATE RESEARCH ASSISTANT · DATA LEAD

Shepherd Center — Atlanta, USA · *Aug 2023 — May 2024*

Led end-to-end data and research projects from objective definition through execution and delivery, liaising across medical, technical, and analytical teams. Key achievements:

- Coordinated **5 research assistants**, lifting efficiency by **15%**.
- Translated operational needs into data-driven solutions across teams.
- Defined KPIs and built dashboards, improving delivery quality by **30%**.

DATA ANALYST

Sen Eau — Dakar, Senegal · *May 2023 — Aug 2023*

Coordinated data-driven operational projects on water quality and resource optimization with engineering, marketing, and finance teams. Key achievements:

- Monitored KPIs, driving a **12% reduction** in operational costs.
- Strengthened forecasting, cutting prediction errors by **20%**.
- Improved data governance, speeding access to key data by **25%**.

CERTIFICATION

FOUNDATIONS: DATA, DATA, EVERYWHERE · Coursera · Oct 2023

AWARDS

Dean's List — Summer 2021
Georgia State University

Dean's List — Spring 2020
Georgia State University

Dean's List — Fall 2019
Georgia State University

PROJECT MGMT

Planning
KPI Tracking
Risk Management
Agile / Scrum
Roadmapping
Budgeting

DATA & WEB

SQL
PostgreSQL / SQLite
Streamlit / Plotly
BigQuery / GCP
SEO
Performance

TOOLS

Figma
VS Code
Power BI / Tableau
Vercel
Cloudflare
Generative AI Tools