

CONTACT

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faliloudiouf.com

github.com/Faliloudiouf

Rufisque, Dakar — Senegal

TECHNICAL SKILLS

Languages
TypeScript, JavaScript, Kotlin, Java, Python, PHP, SQL, C

Front-end
React, Tailwind CSS, Vite, PWA, Three.js

Mobile
Jetpack Compose, Android (Java), Room, Media3

Back-end & data
PostgreSQL, Supabase, MySQL, Django, FastAPI, REST

AI
Whisper, ONNX Runtime, scikit-learn, LLM

Tools & methods
Git, Docker, Vercel, UML, Merise

SOFT SKILLS

Autonomy · Rigour · Product sense · Client relations · Teamwork · Fast learner

LANGUAGES

French Fluent ●●●●●

Wolof Native ●●●●●

English Professional ●●●○○

INTERESTS

Artificial intelligence · Entrepreneurship · Interface design · Japanese culture

Portfolio, demos and code
faliloudiouf.com

Falilou Diouf.

Full-Stack & Mobile Developer

Software engineering student — ESP Dakar

PROFILE

Full-stack and mobile developer, software engineering student at the École Supérieure Polytechnique de Dakar. I have designed and shipped more than fifteen applications for Senegalese companies — industrial ERPs, e-commerce platforms, Android apps — from requirements analysis to deployment. Rigorous about data modelling and quality, I aim to deliver software that is useful, reliable and pleasant to use.

PROFESSIONAL EXPERIENCE

Founder & lead developer — Since 2026

Sunu Shop · E-commerce studio · Dakar

- Built a multi-store e-commerce platform: one codebase, per-store isolated data (Row Level Security).
- Orders delivered on WhatsApp, stock updated on every sale, revenue tracked in real time.
- Client relations, three-tier commercial offer, deployment and maintenance of the stores.

Developer intern — Since Sept 2026

Yadipal SUARL — Yaya Épices · Food industry · Dakar

- Requirements analysis and ERP design: linked purchase, receipt, production, delivery and invoicing.
- PostgreSQL database: 120+ migrations, 22 automatic consistency checks, role-based rights, server-side price masking.

Freelance full-stack developer — 2026

Industrial ERPs · Client projects · Senegal

- UPVac / ISRA: veterinary vaccine stock, cold chain, FEFO picking and quality reports (13 modules).
- CBC Aquaterra, CBC Cayor, SEN'AGAL: purchasing, production, stock, sales, accounting and Senegalese payroll.
- Sunu-Medical: catalogue site of 137 medical products with bundled quote requests.

Intern — Aug - Sept 2025

Hunter's Food · Food industry · Dakar

- Discovered how a production unit runs and professional working methods.

KEY PROJECTS

NoorQuran
ANDROID · ON-DEVICE AI

Quran app in French and Wolof. Recitation checked by a Whisper model running on the phone: analysis 6× faster after optimisation, zero false errors.

SénSanté
MACHINE LEARNING

Pre-diagnosis scikit-learn model served by FastAPI, containerised with Docker, deployed on Hugging Face.

TerangaMade
CAPSTONE PROJECT

Marketplace for local brands: analysis, UML modelling, React/Supabase app, defence.

EDUCATION

2023 → **BSc Software Engineering & Information Systems**
École Supérieure Polytechnique de Dakar (UCAD)
Admitted by entrance exam · mobile development, advanced databases, AI integration, HCI, project management

2022 - 23 **First year, Computer Science**
Faculty of Science and Technology, UCAD

2022 **Scientific baccalaureate (S2)**
Cabis School, Mbao

Ongoing **CS50P — Introduction to Programming with Python**
Harvard University (edX)