

TABE MIRACLE FIAGMENYI

Full-Stack & Applied AI Engineer

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PROFILE

Computer engineering student and full-stack developer who ships complete products end to end — Python and TypeScript services, React/Next.js and React Native front ends, and voice/vision pipelines running on-device. Comfortable taking an idea from a blank repo to a working MVP under hackathon deadlines, and I care about the unglamorous parts: graceful degradation, offline paths, and interfaces a first-time user understands without a manual.

EXPERIENCE

Front-End Developer Intern

CIRCO Orange Internship (Ignite Circle) · Buea, Cameroon
July 2026 · Remote / Collaborative

- Collaborated on front-end features using modern web frameworks, improving overall site performance and UI responsiveness.
- Built the Next.js 16 / React 19 / Tailwind 4 client for a multi-contributor product, landing a green-theme design system with reusable components.
- Worked to a shared AGENTS.md and branching convention inside a distributed team; reviewed and integrated peers' work rather than working in isolation.

Freelance & Open Source

Selected client and community work
2024 — Present

- NESAC Password Strength Checker — Flask + vanilla JS tool that scores passwords, explains the weakness in plain language, and suggests a stronger passphrase.
- Air Canvas — MediaPipe/OpenCV gesture drawing app with a five-gesture mode system and sub-frame latency tuning.

HACKATHONS & AWARDS

3rd Place — Orange Code for Change Hackathon

Buea, Cameroon

- Co-developed Re-kollect, a functional MVP built within 12 hours alongside a team of 4.
- Integrated frontend and backend workflows using JavaScript, React, Node.js and Python.

4th Place Finalist — Prometheus AI Hackathon

Buea, Cameroon

- Architected and deployed Lumina, an AI-driven platform created in 15 hours with a 3-person team.
- Connected Supabase and the DeepSeek API to process dynamic user requests under tight time constraints.

SELECTED PROJECTS

ARIA — Voice AI Assistant

[Python](#) · [Kotlin](#) · [PWA](#) · [Flask](#)

Voice-first assistant with a modular skill router (regex + keyword confidence scoring), long-term memory, and an Android bridge server that exposes wifi, flashlight, alarms and screenshots to the host. Graceful degradation throughout: no microphone falls back to text, no API key falls back to a deterministic offline mode.

Re-kollect — Waste Collection Marketplace

[Flutter](#) · [Dart](#) · [Firebase](#) · [OSM](#)

Two-sided marketplace connecting waste generators to independent collectors. Role-based phone auth, Firestore-backed request lifecycle, map pinning with Nominatim geocoding, real-time collector dashboard, FCM topic fan-out, and native dialer hand-off.

Lumina — AI-Driven Platform

[Supabase](#) · [DeepSeek API](#) · [JavaScript](#)

AI-driven platform built for the Prometheus AI Hackathon in 15 hours with a three-person team. Supabase and the DeepSeek API are wired together to process dynamic user requests under tight time constraints.

Ignite Circle — Front End

[Next.js 16](#) · [React 19](#) · [Tailwind 4](#) · [Zustand](#)

Multi-contributor Next.js client built on a shared component library and Zustand state model, delivered inside a distributed team to a common design language.

Pulse Fit — Cross-Platform Fitness Tracker

[React Native](#) · [Expo](#) · [Reanimated](#) · [HealthKit](#)

Workout plans, guided live sessions and animated progress rings with bidirectional Apple HealthKit / Google Fit sync, plus a simulated data fallback so every screen stays usable without native modules.

Air Canvas — Gesture Drawing

[Python](#) · [MediaPipe](#) · [OpenCV](#)

Draw in the air with hand gestures. A five-state mode machine (draw / hover / erase / palette / clear) driven purely by finger counts and pinch detection, tuned for real-time tracking on commodity webcams.

NESAC — Password Strength Checker

[Python](#) · [Flask](#) · [JavaScript](#)

Web application that helps users create strong passwords and test the strength of their current ones, explaining each weakness in plain language and suggesting a stronger passphrase.

TECHNICAL TOOLKIT

Languages	Python, JavaScript, Kotlin, Node.js, Dart, SQL
Front end	React 19, Next.js 16, React Native, Expo, Tailwind 4, HTML/CSS
Back end & data	Flask, FastAPI, Node, Supabase, Firebase (Auth/Firestore/FCM), SQLite, REST
AI & vision	DeepSeek API, OpenAI, Claude, Ollama, prompt engineering, MediaPipe, OpenCV
Tooling & cloud	Git, Docker, Linux, Vercel, CI via GitHub Actions
Soft skills	Public speaking, teamwork, problem solving, bilingual (English & French)

EDUCATION

- Bachelor of Engineering (B.Eng.) in Computer Engineering — University of Buea, Faculty of Engineering and Technology (FET), Buea, Cameroon.

COMMUNITY & LEADERSHIP

- Active Member, Cybersecurity Club — University of Buea. Core digital security fundamentals, vulnerability awareness and web protective practices.
- Workshop Participant, Renewable Energy Summit 2026 — technical sessions organised by the University of Buea Renewable Energy Club at FET.
- Social Impact Volunteer, MIMIO NGO — local community outreach initiatives and event organisation support.
- Open-source and community builds published at github.com/dontman-tech.