Mohamed Aziz GHAZOUANI

Generative AI & LLM | Final-year internship (PFE) from 02/2027

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SUMMARY

Third-year Business Intelligence student (IHEC Carthage) and founder of Kalori, a nutrition app built solo (20+ active users in testing). Hands-on with TypeScript, NestJS, PostgreSQL, Redis, Docker and n8n; 16 months of full-time bilingual technical support at Concentrix. Looking for a 4–6 month final-year internship (PFE) from 02/2027.

EDUCATION

Bachelor in Business Intelligence — IHEC Carthage, Tunis 09/2024 – 06/2027

3rd year · graduation expected 06/2027 · final-year internship (PFE) from 02/2027

Baccalaureate in Computer Science — highest honours (mention Très bien) 06/2024

SKILLS

AI & Data Science: LLMs in production, Python, pandas, scikit-learn, RAG, embeddings, ChromaDB, Llama, fine-tuning, data cleaning

Development: TypeScript, NestJS, Firebase Auth / TOTP, JavaScript, Java, C#, PHP, React, Next.js, Postman, Git, Sentry, system design

Data Engineering: SQL, PySpark, ETL/ELT, CDC (Debezium, Kafka), medallion architecture, Microsoft Fabric, Power BI

Cloud & DevOps: Docker, n8n, AWS, Terraform (Infrastructure as Code), Podman, GitHub Actions (CI/CD), Cloudflare, Linux

Databases: PostgreSQL, Redis, MySQL, Oracle, Firebase

PROJECTS

Kalori — Founder & sole developer (kalori-app.com) 06/2026 – present

Nutrition tracker built around Tunisian food (EN/FR/AR), in testing with 20+ active users

- **AI in production:** rules-based recommender + LLM provider chain (Anthropic, OpenAI-compatible) with output guard, fallback and per-call cost metering; trust audit over 648 situations.
- **Solo development** (570+ commits): NestJS/TypeScript API, PostgreSQL, Redis, offline React PWA, Firebase, Cloudflare.
- **Industrialisation:** GitHub Actions CI (8 required checks, ~3,100 automated tests), blue/green deployment with automatic rollback.
- **Data platform (in progress):** synthetic data (Python), PostgreSQL on AWS RDS via Terraform, pseudonymised extraction, Change Data Capture (Debezium → Kafka), medallion lakehouse on Microsoft Fabric, Power BI; project charter, risk register, ADRs.

IHEC BOT — AI assistant for the university library (team project) 02/2025

- **Chatbot lead:** Retrieval-Augmented Generation (RAG) with ChromaDB and Llama, model fine-tuning.
- **Cleaned and structured 550+ catalogue records** (23 fields: titles, authors, ISBN, call numbers) before indexing.

Valorant Agent Assistant — Personal machine-learning project (GitHub) 12/2025

- Decision-tree classifier (scikit-learn, pandas) recommending 1 of 19 weapons, evaluated on a held-out test set; 180-scenario quiz; Streamlit and Tkinter UIs.

EXPERIENCE

Technical Support Agent — Concentrix, Tunis (Lac 2) 06/2025 – 09/2026

- Full time: diagnosed and resolved technical incidents for French- and English-speaking clients.
- Consulting tasks: analysed client needs and recommended suitable solutions.

Technical Lead — HEC Finance Academy (HECFA), IHEC Carthage 07/2025 – 10/2026

Student club · member since 10/2024

- **CodeLab 2.0 hackathon (220 participants, 12 teams):** 5 Next.js/React/Firebase apps in production (registration and payments, participant tracking, support, jury scoring, ambassadors).
- **IT department co-lead:** maintained and deployed hecfa.tn, domain configuration.
- **Club recruitment:** application form and filtering dashboard, 321 applications processed.
- **1st prize, Global Entrepreneurship Week** (IHEC, 11/2025): IHEC Connect prototype, 1,500 TND for the club.

CERTIFICATIONS & LANGUAGES

Certifications: AWS Knowledge: Cloud Essentials (Amazon Web Services, 2026) · IBM Data Fundamentals (IBM, 2026)

Languages: Arabic (native) · French (B2) · English (C1), levels assessed in the Concentrix recruitment test

Involvement: IEEE Computer Society INSAT SBC member (09/2024 – 06/2025)