

François Moarbes

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EDUCATION

Le CNAM University
Software Engineering

Nahr Ibrahim, lebanon
Sep 2024 – May 2027

EXPERIENCE

Dictalive

Call center representative

Feb 2025 – March 2026

Jounieh, Lebanon

- Managed high-volume inbound and outbound communications, efficiently resolving customer inquiries and providing support.
- Assessed and troubleshooted user problems, communicating effectively with team members and management to ensure seamless daily operations.

PROJECTS

Multimodal AI Suite & Enterprise RAG | Python, Streamlit, Groq API, FAISS, Git

April 2026 – Present

- Developed a secure Retrieval-Augmented Generation (RAG) Chatbot utilizing FAISS vector databases to convert text into mathematical embeddings, allowing users to query private company documents locally with zero data leakage.
- Built and deployed front-end user interfaces using Streamlit, combining complex backend AI logic with seamless user experiences.

BeFit Platform | PHP, MySQL, Gemini API, Git

March 2025 – June 2025

- Engineered a full-stack fitness and e-commerce platform from scratch, architecting a relational MySQL database to manage user accounts, product inventory, and transaction states.
- Integrated the Google Gemini API to build a dynamic "AI Personal Coach," capable of generating highly personalized, conversational workout plans and fitness insights tailored to individual user data.
- Designed a responsive front-end UI combining the e-commerce storefront and the AI coaching module for a unified user experience.

AI Video Summarizer | Python, Streamlit, Groq API, MoviePy, Git

April 2026 – Present

- Engineered a high-performance video analysis tool that utilizes **Llama-3.2-11b-vision** to chronologically sample keyframes from .mp4 files for automated business intelligence.
- Developed a dynamic frame-sampling algorithm that extracts visual data at specific timestamps to generate context-aware summaries of meetings and training sessions.
- Built a streamlined deployment interface using **Streamlit**, allowing users to upload large video files and receive intelligent action-item extractions in under 60 seconds.

VYTAL Fitness app | React Native, Expo, TypeScript, Zustand, Groq API, Health Connect

May 2026 – Present

- Engineered a cross-platform mobile fitness application using React Native and Expo, implementing Zustand and MMKV for high-performance, persistent local state management.
- Integrated the Groq API to power an autonomous AI fitness coach, enforcing structured JSON outputs to instantly generate and dynamically adjust custom workout routines based on real-time user fatigue.
- Built a biometric data pipeline utilizing Android Health Connect to automatically sync hardware sensor data (daily steps, sleep hours), driving a custom algorithm for real-time BMR and active calorie tracking.
- Configured and compiled the application into a standalone native Android APK utilizing cloud-based Expo Application Services (EAS).

TECHNICAL SKILLS

Languages: Python, PHP, MySQL, JavaScript, HTML/CSS, Java, TypeScript

AI & Machine Learning: Llama-3.2 Vision, Gemini API, Groq Cloud API, Retrieval-Augmented Generation (RAG), Semantic Search

Developer Tools: Git, GitHub, Jupyter Notebook, VS Code, PowerShell, opencode

Libraries: Streamlit, FAISS, Hugging Face, pandas, NumPy

Career goal:

Highly resilient to shifting project requirements and technical hurdles, my goal is to join an AI-forward development team where I can solve complex engineering problems and ship impactful code from day one.