



Gisèle Aydi

AI Developer

+216 95779235

El Mourouj, Ben Arous

aydigisele@gmail.com

LinkedIn Profile

GitHub Profile

Personal Portfolio

PROFILE

Bachelor of Business Administration student in Information Technology with a Minor in Business Analytics. Focused on data science, machine learning, artificial intelligence and backend development, with a solid foundation in decision-making, and programming. Passionate about leveraging AI and data-driven insights to solve real-world problems and eager to contribute to impactful, innovative projects.

EDUCATION

Tunis Business School, *Bachelor of Science in Business Administration* present
El Mourouj, Tunisia

- Majoring in IT, Minor in Business Analytics.

Lycée Pilote Kairouan, *Baccalaureate in Mathematics* 2022
Kairouan, Tunisia

- Graduated with high honors.

PROFESSIONAL EXPERIENCE

AI Developer Intern, *Yalors*, 3 months 2025
Ben Arous, Tunisia

- Developed context-aware NLP and embedding services using Node.js, OpenAI GPT-4o, and PostgreSQL (pgvector) to power real-time AI-driven job matching using cosine similarity search.

Data Science Intern, *YottaByte Dev.*, 2 months 2025
Tunis, Tunisia

- Built a fully dockerized data science pipeline for automated data ingestion, cleaning, EDA, and visualization, implementing ML and time-series models (XGBoost, Random Forest, ARIMA, Prophet, etc) with R² up to 0.97 and 84% accuracy, optimized for 15–30s runtime and actionable insights.

SKILLS

Machine Learning & AI

Python, scikit-learn, TensorFlow, PyTorch, Hugging Face

NLP & LLMs

OpenAI APIs, RAG, Text Embedding, Semantic Search, Groq API

Backend Development

Flask, FastAPI, Node.js, Express.js, SpringBoot, REST APIs

Data Manipulation & Analysis

Pandas, NumPy, SQL, Power BI, Excel

Databases & Data Management

PostgreSQL, MySQL, MongoDB, SQLite, Firebase, Prisma ORM

Cloud, DevOps & CI/CD

Azure Cloud, Docker, Postman, Insomnia, Git, GitHub

CERTIFICATIONS

Introduction to AI ✓
offered by the University of Helsinki

Power BI Meets Fabric ✓
offered by Pragmatic Works

Python Programming Fundamentals ✓
offered by DataCamp

Pandas ✓
offered by Kaggle

Python for Data Analysts ✓
offered by Pragmatic Works

PROJECTS

Moodify - AI Mood and Sleep Tracker App, *Kotlin, HuggingFace, Groq, Firebase* ✓ 2025

- Developed AI-powered mood journal app in Kotlin using Hugging Face and Groq, Firebase for auth/storage, with mood-based task spinner and sleep tracker.

FaceSecure - Web Based MFA System, *FastAPI, Python, Deepface, Facenet, Next.js, Neon* ✓ 2025

- Built a web-based MFA system with FastAPI, DeepFace, Facenet, bcrypt and Next.js, combining facial recognition, OWASP-compliant password validation and CAPTCHA validation.

Bayesian Network Optimizer with ABC Algorithm, 2025
Python, Pgmpy, Tkinter, ABC Algorithm, Bayesian Networks ✓

- Applied the Artificial Bee Colony algorithm to optimize real-world datasets with Python and benchmarked results.

ORGANIZATIONS

Data Science Club, *Project Management Member* 2022 – 2023
Ben Arous, Tunisia

- Partnered with UNESCO on a project addressing the aftermath of COVID on education.
- Designed and conducted surveys on the matter, gathering **120+** responses from teachers in different schools. Analyzed the findings and generated comprehensive reports.

LANGUAGES

Arabic
Native

French
C1

English
C1