



Gisèle Aydi

Data Analyst

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PROFILE

Bachelor of Business Administration student in *Information Technology* with a Minor in *Business Analytics*. Specialized in data analysis, decision-making frameworks, and programming tools. Enthusiastic about solving various problems through data-driven insights and excited to provide value during a summer internship by devising relevant solutions.

EDUCATION

Tunis Business School, Bachelor of Science in Business Administration

- Majoring in IT, Minor in Business Analytics.

present

El Mourouj, Tunisia

Lycée Pilote Kairouan, Baccalaureate in Mathematics

Kairouan, Tunisia

- Graduated with high honors.

SKILLS

Programming languages

Python, R, Java, Kotlin, C

Data Visualization

Power BI, Tableau, Excel

Full-Stack Development

HTML, CSS, JS, React, Flask, Spring

DBMS

MySQL, MongoDB, SQLite, PostgreSQL

Data Manipulation & Analysis

Pandas, NumPy, Matplotlib, TensorFlow

CI/CD

Docker, Git, GitHub

CERTIFICATES

Introduction to AI

offered by the University of Helsinki

Power BI Meets Fabric

offered by Pragmatic Works

PROJECTS

Netflix BI Analysis, Python, Pandas, Matplotlib, MySQL, Power BI

Analyzed Netflix data by *cleaning* with *Pandas*, and *visualizing* with *Matplotlib*. Stored in *MySQL* data warehouse and imported to *Power BI* for *data modeling* and *interactive dashboard visualizations*.

2024

Car Resale Data Analysis Management System, Java, MySQL, JavaFX, Scene Builder

Manages used car resale data, enabling data *upload*, *cleaning*, *processing*, and *analysis* with *visualizations*, and including a *machine learning model* to predict car prices based on user input

2024

Municipal Theater System, Spring, MongoDB

Developed a municipal theater system with *Spring*, enabling user registration, bookings, and event management. Features include *JWT authentication*, *role-based access*, *OAuth2 login*, and *email confirmation*.

2024

Moodify - AI Mood and Sleep Tracker App, Kotlin, Flask, Python, TensorFlow Lite, HuggingFace

Developed AI-powered mood journal app in Kotlin using Hugging Face (TensorFlow Lite), Supabase for auth/storage, and Flask backend with mood-based task spinner and sleep tracker.

2025

Bayesian Network Optimizer with ABC Algorithm, ABC Algorithm, BN, Flask, Python

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

2025

Web-Based Facial Recognition System, Flask, Python, Machine Learning, Deepface, Facenet, React

Built a web-based MFA system with Flask, DeepFace, and bcrypt, combining facial recognition and OWASP-compliant password validation.

2025

ORGANIZATIONS

Data Science Club, Project Management Member

2022 – 2023

- 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

B2

English

B2