Ismael Madou Gagi

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● LinkedIn ● site, Portfolio Github ● Coursera

PROFILE

Attached to team spirit, tolerance, and continuous learning, I want to grow in an environment where constructive exchanges and collaboration are at the core of projects. I am convinced that the success of a team relies as much on the quality of human relationships as on technical skills. This is why I am looking for a final-year internship starting on February 23, 2026, to put my knowledge in data engineering, By collecting data, handling missing values, and managing data flows and pipelines, I aim to transform raw information into actionable insights, at the service of a dynamic team in a fast-evolving sector such as Bank, Insurance, Transport, Energy. My objective is to contribute to collective success while enriching my skills.

EDUCATION

Master in Statistics for Evaluation and Forecasting ranked among the best master's in big data
URCA Reims   2024–2026
Current GPA: in progress

Bachelor in Economic and Financial Engineering
University of Sousse   2021–2024
Final GPA: 16.18/20 — Rankings: 2nd in 1st year, Top of class in 2nd year, 2nd in 3rd year.
Recipient of the Tunisian cooperation scholarship.

PROFESSIONAL EXPERIENCE

Research and Analysis Officer, Public Debt Department, Niger Treasury   June–Aug. 2023
Macroeconomic analysis, monitoring and reporting of public debt.

Disbursement and Settlement Officer, Public Debt Department, Niger Treasury   June–July 2022
Participation in payments and debt management.

SKILLS

Languages: Python, R, SAS, SQL, SQLite
Libraries: pandas, NumPy, scikit-learn, matplotlib, seaborn, nltk, spaCy
Software: Excel, Word, PowerPoint, Power BI, Stata, Eviews, LaTeX, Canva
Tools: Git, Jupyter, Docker, Web Scraping
Security: VeraCrypt
Methods: Supervised and unsupervised learning methods, simulation techniques, big data tools
Languages: French, Intermediate English

CERTIFICATIONS

Overview Data Visualization ● Financial Markets ● SAS Base/Advanced ● AWS Cloud & ML ● AWS Generative AI Org ● Macroeconomic Modeling ● Altissa English Test ● Intro to SQL ● Advanced SQL with BigQuery ● Data cleaning with python ● Data visualization with python

THESES

Bachelor: Effect of external debt on growth in Niger with ARDL, 2023-2024
Master 1: Forecast reliability in times of crisis using logistic regression, 2024-2025

PROJECTS

Concrete compressive strength   *Jan. – Apr. 2025*
Modeling concrete compressive strength as a function of multiple variables such as cement, superplasticizer, water, fine and coarse aggregates. . . using model selection methods as well as coefficient penalization techniques such as ridge and lasso with R and SAS.

Airport infrastructure analysis   *Oct. 2024 – Dec. 2024*
This group project analyzes the impact of national income on the development of airport infrastructure worldwide. It combines statistical methods such as MCA and PCA to study the relationships between airport types, national wealth, and passenger traffic with R.

Development of an SDG chatbot *personal project, ongoing*
The SDG Chatbot project aims to raise awareness and interact around the 17 UN Sustainable Development Goals via a bilingual interactive Streamlit application, relying on processing pipelines combining SentenceTransformers, BM25, and LLMs such as transformers for semantic search, reformulation, and data analysis with Python.

Smart restaurant interface   *Jan. 2025 – Mar. 2025*
A group development project of a recommendation algorithm based on preferences and allergens in Python. It aims to design a system that suggests dishes tailored to users' tastes while automatically excluding those containing allergenic ingredients.

Banking Desertion   *personal project, ongoing*
This project analyzes banking desertion — the gradual withdrawal from banking services — using a decision tree model to identify key socio-economic and behavioral factors behind customers abandoning financial institutions.

ADDITIONAL EXPERIENCE

Cashier and Sales Assistant, Coccinelle Supermarket, Reims
June 2025–Aug. 2025
Customer reception, cash management, shelf stocking, and inventory tracking.

INVOLVEMENT

Class Representative, Master 1 SEP   *Sept. 2024 – May 2025*
Personal qualities: Initiative-taking, Summarizing skills, Sociable, Good interpersonal skills, Active listening, Autonomous.

HOBBIES

Football, Formula 1, Basketball, podcasts by Denzel Washington & Rim John, documentaries, personal development.