SABRINE AYADI

Business Analytics & IT student

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Motivated Business Analytics & IT student, currently seeking a final-year internship. Eager to leverage analytical and technical skills to contribute to business success through innovative solutions and collaborative teamwork.

EDUCATION

2022 - 2026
Tunis Business School

BACHELOR OF SCIENCE IN BUSINESS ADIMINISTRATION
Major : Business Analytics   **Minor :** Information Technology

2018-2022
Sadiki high school

BACCALAUREATE IN ECONOMICS AND MANAGEMENT
High honors

EXPERIENCE

JULY 2025 - AUGUST 2025
Tunisie Telecom

INTERN

- Developed an end-to-end Flask web application featuring a Logistic Regression model (79% recall) and a Cox Survival model (0.75 C-index) to predict customer churn.
- Automated business insights generation with personalized retention recommendations for each customer case
- Built a multi-tab interactive dashboard within the Flask application featuring Business Insights, Classification, and Survival Analysis sections.

Key words : Python , Machine Learning , Survival analysis , Flask ,EDA

ACADEMIC & PERSONAL PROJECTS

DECEMBER 2024 - JANUARY2025

ONLINE RETAIL SALES ANALYSIS (BUSINESS INTELLIGENCE)

- Implemented comprehensive data validation and cleaning procedures, handling missing customer IDs and standardizing product descriptions across the dataset
- Processed 500,000+ online retail transactions via Python ETL pipeline, implementing data cleaning and dimensional modeling for a Snowflake schema in PostgreSQL
- Built a comprehensive Power BI dashboard with OLAP capabilities, enabling drill-down analysis across time, geography, and product categories

Key words : Python , ETL ,PowerBi ,PostgreSQL , dashboard , KPI

MAY 2025

WEB SECURITY SIMULATION PROJECT (IMAGE ENCRYPTION)

- Developed a role-based medical image encryption web app using Flask with context-aware cryptography: ChaCha20 for internal staff and AES+RSA hybrid encryption for patients
- Implemented a secure patient decryption workflow requiring email-based code verification to access decrypted medical images
- Built a secure authentication system with hashed account passwords and role-based access control

Key words : Python ,Flask , encryption

2025

MEDICAL DATA CLASSIFICATION – CANCER PREDICTION (KNN CLASSIFIER)

- Applied KNN to classify tumors as benign or malignant.
- Normalized data, optimized K, and evaluated with confusion matrices.
- Visualized model results clearly.

Key words : R,KNN

EXTRACURRICULAR

2019

ENVIRONMENTAL AWARENESS PROJECT

Organized by the Municipality of Tunis, Sadiki High School

- Engaged in a comprehensive municipal environmental program, participating in a city clean-up, educational visits to recycling authorities, and hands-on workshops.
- Championed the adoption of eco-friendly practices by helping to launch a waste-sorting initiative within the high school community.

LANGUAGE

Arabic
French
English

SKILLS

- **Programming & Databases**: SQL, Python, R
- **ML & Analytics:** Machine Learning, Predictive Modeling
- **BI & Visualization:** Power BI, Tableau, Excel
- **Tools & Frameworks:** Flask
- Analytical thinking

HOBBIES

Drawing
Working out