

DORRA BEN ABDALLAH

☎ +216 26 977 875 | ✉ dorraabenabdallah13@gmail.com | 🌐 dorraba.tn | 🔗 linkedin.com/in/dorrabenabdallah | 📄 github.com/Celiandorra | 📍 Tunis, Tunisia

PROFESSIONAL SUMMARY

Results-driven data analyst with robust technical skills in Python (Pandas, Scikit-learn), SQL, machine learning (TensorFlow, Keras), and data visualization (Power BI, Matplotlib, Plotly). Adept at transforming complex datasets into actionable insights and impactful business solutions, demonstrated by optimizing sourcing strategies to achieve a 40% cost reduction. Proficient across the data analysis lifecycle, including data cleaning, ML model development, XAI implementation (SHAP), and creating insightful reports and dashboards.

TECHNICAL SKILLS

Data Analysis & ML: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras), Statistics, Machine Learning (KNN, CART, RandomForest, ANN, PCA), XAI (SHAP, Optuna), LLMs
Data Visualization: Matplotlib, Seaborn, Plotly, Power BI
Databases: SQL, PostgreSQL, MongoDB
Programming: Python, Java, PHP, JavaScript
Tools & Platforms: JupyterLab, VSCode, Git, LaTeX, Odoo, Linux, Excel, Google Workspace, Microsoft Office Suite
Web Development: HTML, CSS, Node.js

PROFESSIONAL EXPERIENCE

- Purchasing & Sourcing Analyst** Feb 2024 - Jul 2024
KUMULUS - By eeKan Tunis, Tunisia
 - Optimized sourcing costs by analyzing supplier data, achieving a 40% reduction in machine costs.
 - Maintained a comprehensive supplier database and tracked performance metrics to inform sourcing strategies.
 - Analyzed supplier data to identify and recommend sourcing improvements.
- Research Assistant** Aug 2023 - Apr 2024
60 Decibels Remote (India)
 - Conducted surveys and collected data through various channels for research projects.
 - Organized and managed research data using Excel, ensuring data integrity.
 - Contributed to the creation of reports and presentations summarizing research findings.
- Data Analyst Intern** Aug 2023 - Sep 2023
TATA - Forage Tunis, Tunisia
 - Performed data cleaning and preprocessing tasks to prepare datasets for analysis.
 - Analyzed data to identify trends, patterns, and actionable insights through visualizations.
 - Developed interactive dashboards using Power BI to communicate findings effectively.
- Business Developer** Nov 2023 - Dec 2023
Speak Duo USA (Remote)
 - Conducted market research to identify industry trends, customer needs, and competitive landscapes.
 - Identified and pursued new business opportunities to generate revenue and foster company growth.
 - Created marketing content and collateral to support business development initiatives.

PROJECTS

- Mushroom Classification:** Developed and deployed ML/DL models for mushroom edibility prediction with XAI using SHAP. *(Python, Scikit-learn, TensorFlow, Keras, SHAP)* [GitHub]
- Water Quality Potability Prediction:** Analyzed water quality data and built ML models to predict potability. *(Python, Pandas, Matplotlib, Scikit-learn)* [GitHub]
- Inventory Management and Sales Reporting System:** Designed and implemented a comprehensive system for small businesses, featuring inventory tracking, automated sales reporting, and an intuitive UI. *(Java, SQL)* [GitHub]
- FoodFindr REST API:** Created a REST API for a restaurant finder application with filtering and categorization. *(Node.js, Express.js, SQL/PostgreSQL)* [GitHub]
- LinkedIn Web Scraper:** Built a web scraper to collect company and job details from LinkedIn. *(Python)* [GitHub]

CERTIFICATIONS

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| 365 Data Science: Machine Learning Deep Dive | 2024 |
| 365 Data Science: Intro to AI | 2024 |
| 365 Data Science: Data Literacy & Strategy | 2024 |
| 365 Data Science: Statistics | 2024 |
| 365 Data Science: SQL | 2024 |
| 365 Data Science: The Complete Data Visualization Course | 2024 |
| 365 Data Science: Data Cleaning and Preprocessing with Pandas | 2024 |
| 365 Data Science: Data Preprocessing with Numpy | 2024 |
| DataCamp: Intermediate Python | 2023 |

EDUCATION

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| Tunis Business School - University of Tunis | Tunis, Tunisia |
| <i>Bachelor of Science in Business Administration (B.S.B.A)</i> | 2020 - 2024 |
| <i>Major: Business Analytics, Minor: Information Technology</i> | |
| <ul style="list-style-type: none">• Relevant Coursework: Data Analysis, Data Mining, Advanced Econometrics, Project Management, Information System Analysis and Design, Database Management Systems, Web Service, Cyber Security. | |

LANGUAGES

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| Arabic: Native/Fluent |
| English: Native/Fluent |
| French: Full Professional Fluency |
| Korean: Elementary Proficiency |