



RANIA OUNI

Data Scientist (AI & NLP)

Data Scientist specialized in artificial intelligence and natural language processing (NLP), with hands-on experience in chatbot development, OCR-based data extraction, and machine learning. Strong proficiency in Python, FastAPI, and Power BI, with experience delivering end-to-end data solutions from data preparation to deployment. Seeking a data-driven role with real-world impact.

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EDUCATION

Engineering Degree in Data Science

Tekup University (2023–2025)

Master's Degree in Information Systems & Data Science

FSEGT Tunis (2022–2024)

Bachelor's Degree in Business Intelligence

FSEGT Tunis (2019–2022)

PROFESSIONAL EXPERIENCE

Syndic Tunisie Pro — Front Office Data Assistant Sep.–Dec 2025

- Collected, verified, and maintained client and contract-related data.
- Structured customer and transaction datasets for reporting and tracking.
- Organized legal and accounting documents to ensure data consistency.

Wafacash — Operations & Data Assistant (Part-time) Jul.–Sep 2025

- Supported daily branch operations and financial transactions.
- Ensured accuracy of customer records and transaction data.
- Assisted in compliance procedures and service quality improvement.

Tekonsult — Final Year Project — Data Scientist Feb.–Jun 2025

- Developed an AI-powered legal chatbot for Tunisian law assistance.
- Designed and deployed a REST API using FastAPI with a React frontend.
- Implemented Retrieval-Augmented Generation (RAG) for contextual responses.
- Structured and indexed legal documents into a dynamic knowledge base.
- Applied NLP techniques including NER, text classification, and embeddings.

Technologies: Python, FastAPI, React, RAG, LLaMA, Groq API, NLP

Shamash-IT — Final Year Project — Data Scientist Feb.–Jun 2024

- Developed an OCR-based system for automated invoice data extraction.
- Designed a chatbot to support end users.
- Optimized system performance and validated results.

Technologies: Python, Tesseract, Streamlit, Pandas

Shamash-IT — Summer Internship — Data Scientist Jul.–Sep 2023

- Analyzed factoring-related datasets and prepared data for modeling.
- Built BI dashboards and applied machine learning models.

Technologies: Python, Power BI, Naive Bayes, XGBoost, Random Forest

ACADEMIC PROJECTS

Time Series Analysis and Forecasting of Tesla Stock Prices

- Forecasted stock prices using statistical and hybrid time-series models.
- Improved prediction accuracy through ensemble approaches.

Technologies: R, ARIMA, ETS, NNAR, GARCH, VAR, SARIMA, LSTM

Real Estate Price Prediction in Tunisia

- Analyzed key factors influencing property prices.
- Developed supervised models and an interactive dashboard.

Technologies: Python, Power BI, Linear Regression, Random Forest, XGBoost

SKILLS

- Programming & Data:** Python (Pandas, NumPy, Scikit-learn), SQL, MongoDB
- Machine Learning & AI:** NLP, OCR, Regression, Random Forest, XGBoost, LSTM
- BI & Visualization:** Power BI, Tableau, Matplotlib, Seaborn
- Tools:** FastAPI, Streamlit, Git/GitHub, Spark (foundations)
- Methodologies:** Agile / Scrum, CRISP-DM, Jira, Confluence

EXTRACURRICULAR ACTIVITIES

- BIAT Foundation for Youth — Active member (Spark Club entrepreneurship program)

LANGUAGES

- Arabic — Native
- French — Fluent
- English — Fluent

INTERESTS

Horse riding | Painting | Technology | Camping

CERTIFICATIONS

- Google Analytics — Data Analytics Certification
- Hack The Waste Hackathon — Winner