Dhia Braiek

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📍 Tunis, Tunisia

👤 Profile

Data Analyst with experience in both large international companies and dynamic startups. Proficient in machine learning, data driven decision-making, building ETL pipelines, and creating insightful visualizations.

💼 Professional Experience

Data Analyst, ASQII - HealthTech · Internship [Aug 2024 - Sep 2024 · 2 months]
- Spearheaded the development of a **real-time data pipeline** using **Kafka** to stream data from **MongoDB** to **PostgreSQL**, ensuring a seamless data flow to live **Power BI dashboards**.
- Conducted **Survival Analysis** on lung cancer patients, building a predictive model that achieved **94% accuracy** using **R**.
- Regularly held **meetings with doctors and members of CNAM** to ensure the project aligned with medical needs and national funding policies.

Data Analyst · Sopra HR Software · Internship · [Jun 2024 - Jul 2024 · 2 months]
- **Developed a robust ETL pipeline** in **Python** to efficiently retrieve, preprocess, and clean data from an **Oracle database**, ensuring high data quality and accuracy.
- **Trained and deployed a machine learning model** to predict employee churn, achieving an impressive **93% accuracy**. Integrated the model into a **web application** with an interactive **visualization dashboard**.
- **Collaborated closely with international clients**, delivering key statistics and actionable insights that **enhanced decision-making** and informed business strategies.

🎓 Education

Tunis Business School (Graduation : 2025)
Bachelor of Science in Business Administration (*Major*: Business Analytics *Minor*: International Business Economics)
Clubs: Google Developer Student Club | Data Science Club
Relevant Courses: Data Analysis / Data Mining / Econometrics / Advanced Econometrics / Time Series Analysis

📁 Projects

JobMatcher 🔗
- Built a **job scraper** that daily retrieves data from **Indeed**, **LinkedIn**, and **Glassdoor** using **Selenium**, and stores the raw data in **MongoDB**.
- Implemented a **data pipeline** to clean and validate data before transferring it to a **PostgreSQL data warehouse**.
- **Developed an NLP-based recommendation system** using **vector embeddings**, **BM25 search**, and **reciprocal rank fusion** to deliver personalized job recommendations based on user profiles.
- **Created a dashboard** to track job applications and recommendations for an enhanced job hunting experience.

Used Cars Tunisia 🔗
- **Scraped** and **cleaned** data on used cars from Tunisian marketplaces, standardizing formats and performing f**eature engineering**.
- Built and tuned machine learning models, achieving **92% accuracy** in price prediction through model stacking.
- Deployed results as a web app with interactive dashboards using **Flask**, **Plotly**, and other visualization tools.

🧠 Skills

Programming	Machine Learning and AI	Database	Tools
Python / R / SQL	supervised / unsupervised , Deep learning, NLP, CNN, Sklearn, XGBoost, LightGBM, Pandas, Numpy	MySQL / Oracle / PostgreSQL / MongoDB / ETL	Apache Kafka / Power BI / Tableau / Git

📇 Certificates

- Google Data Analytics Specialization 🔗
- Advanced Google Data Analytics Specialization

🏠 Organizations

Assistant English Teacher · AIESEC Turkey · [Jun 2023 - Jul 2023 · 2 months]

🌐 Languages

- English
- French
- Arabic