Anis Guechtouli

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PROFILE

Motivated Data Science Master's student with a Bachelor's in Computer Science. Completed a 6-month Data Analyst internship at CAAR, where I honed my skills in data cleaning, visualization, and reporting. Currently, I am a Data Scientist intern at Djezzy, working on an NLP project to develop a conversational AI solution. Passionate about leveraging data and machine learning to drive innovation and solve real-world problems.

EDUCATION

11/2020 – 07/2023 Algiers, Algeria	**Bachelor's degree in Computer Science** *University Of Algiers 1 - Benyoucef Benkhedda* ⧉
09/2023 – 06/2025 Algiers, Algeria	**Master's Degree in Data Science and Analytics** *University Of Algiers 1 - Benyoucef Benkhedda* ⧉

EXPERIENCE

02/2023 – 06/2023 Algiers, Algeria	**Data Analyst Intern** *CAAR (Compagnie Algérienne d'Assurance et de Réassurance)* ⧉

- Developed a user-friendly data analysis dashboard to visualize and analyze several metrics in the automobile industry for an insurance agency.
- Worked closely with the Vice President of the Automobile branch and the IT team to deliver accurate insights into the agency's performance.
- Successfully identified significant changes in key metrics over specific periods by visualizing and analyzing the data.

11/2024 – present Algiers, Algeria	**Data Scientist Intern** *Djezzy* ⧉

- Developing an NLP-based conversational AI solution using Large Language Models to automate repetitive information delivery tasks.
- Processing and structuring Q&A data to support model training and evaluation.
- Applying prompt engineering techniques to improve the consistency and relevance of generated answers.

SKILLS

- **Languages** : Arabic (Native speaker), English (Advanced proficiency), French (Intermediate proficiency).
- **Programming** : SQL, Git, Python (key libraries: PySpark, Pandas, Numpy, Matplotlib, Plotly, Scikit-learn, LangChain, Streamlit).
- **Data Managment** : Spark, SQLite.
- **Data Visualization** : Excel, PowerBI, Tableau.
- **Communication & Presentation** : Canva, PowerPoint, Markdown.

PROJECTS

02/2024 – 06/2024	**Football Web Scraping** ⧉

- Scraped data from the **FBref** using **BeautifulSoup**, **Requests**, and **Pandas**.
- Extracted individual player data from **17 professional football leagues**.
- Prepared the data for further analysis of various player metrics.

07/2024 – 07/2024	**Exploratory Data Analysis in Retail** ⬈
	• Conducted **exploratory data analysis (EDA)** on a retail dataset, identifying key issues such as **unprofitable products** and **excessive discounting**.
	• Created visualizations, a **dashboard**, and a **report** to effectively communicate insights and support data-driven decision-making.
01/2025 – present	**Expected Goals (xG) Model**
	• Collected **free StatsBomb data** to create a comprehensive dataset across multiple competitions.
	• Preprocessed and cleaned the data to ensure **quality and consistency**.
	• Engineered **28+ features**, including **shot distance**, **angle**, dummy variables, and **player attributes** like **preferred foot**.
	• Trained a **machine learning model**, achieving **89% accuracy** and a **98% match rate** with StatsBomb's xG model.