

NICOLA RAPACCHIANI

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Language: -Native Italian

-Fluent English

-Fluent Spanish

ABOUT ME

Data Analyst/Scientist with a strong foundation in Python and SQL, specializing in transforming complex data into actionable insights. Proficient in data visualization using Power BI and Python libraries. Experienced in automating data processes to increase efficiency and in implementing machine learning models (including Scikit-Learn, TensorFlow, and PyTorch) to uncover deeper patterns and insights. Passionate about leveraging data to solve real-world problems in finance, marketing, and sports. Eager to contribute to innovative teams and drive data-driven decisions

EDUCATION

BSc Data Science and Artificial Intelligence | University of East London | First Class

SEP 2021 – MAY 2024

Relevant Modules:

Data Structure and Algorithm, Programming for Data Science, Database System, Cloud Computing, Artificial Intelligence, Advanced Topic in AI, Big Data, Power BI and Excel.

Main Key Projects:

- Predictive Analytics Project: Developed a predictive AI model using Python to forecast flight crashes and departure delayed.
- Database Management: Designed and implemented a relational database system for an existing renting car company using MySQL (Cloud).
- Dissertation Project: Football Entity Detection and Tracking using Artificial Intelligence system like Yolo Models and further match analysis performances using Python.

WORK EXPERIENCE

JUNIOR DATA ANALYST | TELUS INTERNATIONAL

DEC 2023 – MAY 2024

- Conducted in-depth analysis of customer datasets using Python (pandas and NumPy libraries) and MS Excel. Identified the pattern in the rates, frequently purchased items and peak engagement times. This analysis contributed to a campaign that resulted in 15% increase in customer retention in one year.
- Developed scripts in Python on Google Colab or Jupyter Notebook to automate the data validation process. This involved checking for missing values, inconsistent formats and duplicates across tables. This automation reduces drastically the validation time and enabled a faster access to clean data.
- Built Power BI dashboards and reports for the marketing team, integrating data from SQL Server or CSV files. Set up interactive visuals to track weekly updates in product category sales and customer demographic.

DATA ENGINEER | DataArt | Internship

JAN 2023 – APR 2023

- Developed and maintained automated data pipelines using Microsoft Azure Data Factory, streamlining the transfer of large datasets (up to 10GB per batch) from Azure Blob Storage (CSV format) to a cloud-based SQL Server.
- Improved data transfer efficiency by approximately 10%, significantly reducing the process time for data ingestion.

LETTINGS NEGOTIATOR | SELF-EMPLOYED

NOV 2021 – DEC 2023

- Built and maintained a robust network of clients, landlords, and agencies, facilitating over 250 successful rental properties.
- Applied data-driven pricing strategies to optimize rental rates, leading to an 80% increase in average monthly revenue for Airbnb listings.
- Streamlined client onboarding and property viewing processes, improving efficiency and reducing client acquisition time.

CERTIFICATIONS

Google Professional Data Engineer Certificate | GOOGLE

MAY 2024

Designed and implemented scalable data processing systems, managing ingestion, storage, and processing of large datasets using ETL practices on Microsoft Azure. Automated and maintained data workloads, ensuring data operations and enabling continuous integration and deployment pipelines.

UEFA B FOOTBALL COACH | FIGC

AUG 2016 – DEC 2016

Certified by the Italian Football Federation (FIGC), provides advanced training in coaching techniques, tactical knowledge, and player development. It prepares coaches to work with youth and amateur teams, serving as a stepping stone to higher coaching qualifications.

ACTIVITIES

- Semi-Professional Football Player: Developed teamwork, leadership, and strategic thinking.
- Active member of Chess London Club: Honed analytical thinking and problem-solving skills.

TECHNICAL SKILLS

- Programming Languages: Python (Intermediate), SQL (Intermediate), R(Basic)
- Data Analysis Tools: Excel (Intermediate), Power BI (Intermediate), Tableau (Basic)
- Soft Skills: Teamwork, Problem-Solving, Communication.
- Data Engineering: Azure (Basic).
- Python Libraries: TensorFlow (Basic) PyTorch (Basic), Pandas (Advanced), NumPy (Advanced), Scikit-learn (Intermediate)