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Language: -Native Italian
-Fluent English
-Fluent Spanish

NICOLA RAPACCHIANI

ABOUT ME

Data Analyst with a strong foundation in Python, SQL, and machine learning, specializing in transforming complex data into actionable insights. Proficient in data visualization using Tableau and Power BI. Experienced in automating data processes to increase efficiency. 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.

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 SQL and AWS.
Dissertation Project: Football Entity Detection and Tracking using AI Yolo Models for further analysis.

Google Professional Data Engineer Certificate | GOOGLE

MAY 2024 – JUN 2024

Designed and implemented scalable data processing systems, managing ingestion, storage, and processing of large datasets using advanced ETL practices and cloud platforms like AWS and Azure. Architected and optimized data storage solutions, supporting efficient querying and data retrieval for analysis and machine learning models. Automated and maintained data workloads, ensuring seamless data operations and enabling continuous integration and deployment pipelines.

WEBSITE DEVELOPER | BIT ONLINE

JAN 2018 – JAN 2019

Relevant Modules: HTML, CSS, PHP, and JavaScript. Use of WordPress, Mailchimp, Google ADS, Google Analytics. Digital Marketing and e-mail campaign strategy.

WORK EXPERIENCE

DATA ANALYST | TELUS INTERNATIONAL

DEC 2022 – MAY 2024

- Analysed large-scale customer behaviour datasets using Python and Excel, identifying key trends that contributed to a 15% increase in customer retention.
- Developed and automated data validation scripts, reducing manual processing time by 20% and increasing accuracy by eliminating common data errors.
- Designed and implemented interactive dashboards in Power BI, providing the marketing team with actionable insights into sales trends, leading to a 10% improvement in campaign effectiveness.

DATA ENGINEER | DataArt |Intenship

JAN 2023 – APR 2023

- Developed scalable data pipelines on AWS and Azure, automating ETL processes to enhance data processing.
- Optimized and maintained data storage solutions, improving data retrieval speeds for large-scale datasets.
- Automated data workflows using Python and CI/CD pipelines, reducing manual tasks and ensuring high data integrity for analysis and reporting.

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.

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 (Advanced), SQL (Advanced)SQL
- Data Analysis Tools: Excel (Advanced), Power BI (Intermediate), Tableau (Intermediate)
- Soft Skills: Teamwork, Problem-Solving
- Data Engineering: Azure (Intermediate), Data Manipulation (Advanced)
- Machine Learning: TensorFlow (Basic) PyTorch (Basic)
- Libraries: Pandas, NumPy, Scikit-learn (Advanced)