Pietro Gazzi

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[My Portfolio]   +33 0766968051

Professional Summary

Data-driven professional with expertise in SQL, Python, and visualization tools (Power BI, Tableau). Experienced in predictive modeling, business process optimization, and strategic decision-making. Visit my [portfolio] for more details.

Work Experience

- **Maintenance Analyst**   Leonardo Helicopters, Milan
  May 2024 – Present
  - Analyzed and repaired structural components using data-driven methodologies.
  - Developed SQL-based dashboards in Power BI, reducing repair turnaround time by 15% and increasing operational efficiency.
  - Utilized statistical analysis and machine learning techniques to identify failure patterns.
  - Collaborated with cross-functional teams to improve data collection and reporting processes.
  - Conducted market analysis to identify business opportunities and optimize repair services.

- **Research Engineer**   Institut Polytechnique de Paris, Paris
  Feb 2023 – May 2024
  - Analyze experimentally and numerically the crack propagation in 3D printed Polycarbonate and the additive manufacturing of optimized specimens.ns.
  - Performed data analysis to support research projects and improve experimental designs.

- **Structural Analyst**   Thales Alenia Space, Turin
  May 2022 – Jan 2023
  - Developed data-driven models to predict structural performance and optimize designs.
  - Analyzed structural cost-performance trade-offs using Python (Pandas, NumPy), optimizing component design and reducing production costs by 5%

Education

- **Politecnico di Milano**   Aerospace Engineering
  Sept 2020 – Dec 2022

- **Università degli Studi di Firenze**   Mechanical Engineering
  Sept 2017 – Jul 2020

- **Coursera Certifications**
  2024-2025
  - Investment Management with Python and Machine Learning (EDHEC)
  - Data Science Specialization (Johns Hopkins University)
  - Google Data Analytics Professional Certificate (Google)
  - PostgreSQL for Everybody (University of Michigan)

Specialized Skills

- **Data Processing:** Data Cleaning, ETL, Data Wrangling
- **Business Intelligence:** Power BI, Tableau, Excel (Advanced)
- **Programming:** SQL (PostgreSQL, MySQL), Python (Pandas, NumPy, Matplotlib, Seaborn), LaTeX, HTML, CSS
- **Statistical Analysis:** A/B Testing, Regression Analysis, Business Metrics, Time Series Forecasting

Languages

Italian: Native   **English:** Fluent   **French:** Fluent   **German:** Begineer