

Youssef *Benchaib*

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PROFILE

Data scientist with a background in computer science, data science and management. Experienced in building data pipelines, automation systems and data-driven solutions using Python and cloud technologies, with hands-on experience translating data into business and operational decisions.

EXPERIENCE

LG Electronics Italia S.p.A. 04/2025 – 10/2025

Data Scientist Intern · Milan, Italy

- Refactored legacy automation scripts into modular Airflow DAGs, improving scalability, monitoring and reliability of business-critical data workflows.
- Designed and maintained production data pipelines processing 10M+ weekly records using Python, SQL and BigQuery, reducing manual reporting time by 80%.
- Developed cross-functional Looker dashboards to monitor sales and market-share KPIs, enabling faster data-driven decisions across commercial and analytics teams.

Apim S.r.l. 07/2017 – present

Managing Director · family-owned multi-service gas station · Gaggiano, Italy

- Lead a multi-service business (fuel station, bar/restaurant, car wash, mechanical workshop) with 18 employees, overseeing operations, workforce management, pricing and digital transformation.
- Developed and deployed a web scraping system to collect and process fuel price data, enabling real-time alerts and data-driven pricing decisions.
- Increased fuel sales by over 50% in three years through strategic pricing and supply optimisation.
- Introduced fingerprint-based attendance tracking; automated and delegated day-to-day operations while retaining strategic oversight.

EDUCATION

Bocconi University 08/2023 – 12/2025

MSc in Management · Milan

- Thesis: “Blockchain and traceability in the supply chain”

San Diego State University 08/2024 – 12/2024

Exchange semester · San Diego, CA, USA

- Dean's List honoree (GPA 3.94)

University of Milano-Bicocca 08/2021 – 10/2023

MSc in Data Science · Milan

- Thesis: “Improving distance-based clustering methods with spatial information for mass spectrometry imaging data”; developed and evaluated clustering algorithms for high-dimensional mass spectrometry imaging data.
- Relevant modules: Web Marketing and Communication Management, Economics for Data Science, Business Intelligence, Cybersecurity for Data Science

University of Milano-Bicocca 10/2018 – 07/2021

BSc in Computer Science · Milan

- Thesis: “Cross-Platform Tool Analysis in the mobile field”
- Relevant modules: Security and Reliability, Machine Learning, Human-Computer Interaction, Programming of Mobile Devices, Physics

- Thesis: “Cyber espionage”

EXTRACURRICULAR

Bocconi Students Blockchain Association

10/2023 – 12/2025

Education & Growth Division · Milan

- Analysed case studies and discussed the latest trends in blockchain innovation with fellow members.
- Brainstormed real-world use cases of blockchain and distributed ledger technologies.

B.Cyber · Bocconi

10/2023 – 12/2025

Research · cybersecurity student association

- Authored educational articles and cybersecurity tips for the association's Instagram profile, increasing audience engagement.

SKILLS

- **Programming & data:** Python, SQL, Pandas, R, machine learning, statistical analysis
 - **Data engineering & cloud:** Airflow, ETL pipelines, BigQuery, GCP, GCS, API
 - **Analytics & BI:** Looker Studio, Tableau, data visualisation, KPI reporting
 - **Software development:** Git, Java, PHP
 - **Certifications:** Google Data Analytics Certificate (2025), IELTS 7.0 (2024), ICDL IT-Security (2018)
 - **Languages:** Italian (native), Polish (native), English (C1), Spanish (B1)
 - **Interests:** entrepreneurship, technology and innovation, AI, blockchain, travelling, strategic board games
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