

SR

CONTACT

LOCATION

Milan, Italy

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GITHUB

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LANGUAGES (CEFR)

Italian **Mother tongue**English **C1**

Listening C1 · Reading C1 · Interaction C1 ·

Production C1 · Writing C1

French **B1**

Listening B1 · Reading B1 · Interaction B1 ·

Production A2 · Writing A2

TECHNICAL SKILLS

PROGRAMMING & ML

Python SQL R pandas

scikit-learn PyTorch XGBoost

LightGBM

STATISTICS

A/B testing Time series

Causal inference Bayesian methods

MLOPS & CLOUD

MLflow Docker Airflow Azure ML

GCP Git CI/CD

DATA & BI

Snowflake BigQuery Power BI

Tableau Streamlit

CERTIFICATIONS

Azure Data Scientist Associate (DP-100)

Microsoft · 2023

Databricks Certified ML Associate

Databricks · 2024

DIGITAL SKILLS

Information processing Proficient

Communication Proficient

Content creation Proficient

Safety Independent

Problem solving Proficient

Sofia Rossi

Data Scientist · Machine Learning & Advanced Analytics

Job applied for: Data Scientist | Nationality: Italian (EU citizen – right to work in the EU/EEA)

Data Scientist with 4 years of experience delivering production machine-learning and analytics solutions in retail and insurance. Strong in Python, SQL, forecasting, experimentation and MLOps (MLflow, Docker, Airflow, Azure). Proven track record of turning data into measurable business value (€2.1M estimated annual savings) while meeting GDPR requirements.

WORK EXPERIENCE

Data Scientist

05/2024 – Present

Meridiano Retail Group, Milan, Italy · Business or sector: Retail & e-commerce

- Built demand-forecasting models (LightGBM, Prophet) for **1,800 SKUs**; cut forecast error (WAPE) from **24% to 15%** and stock-outs by **18%** (≈ €2.1M annual savings).
- Deployed **6 ML models** to production with MLflow, Docker and CI/CD on Azure ML; added drift monitoring with Evidently.
- Developed a customer-churn model (XGBoost, **AUC 0.89**) that powered retention campaigns and lifted retention by **7 percentage points**.
- Designed a Bayesian A/B-testing framework used by 4 product teams; analysed **25+ experiments**.
- Built GDPR-compliant data pipelines (pseudonymisation, data minimisation) and supported DPIAs.

Junior Data Scientist / Data Analyst

09/2022 – 04/2024

Alpina Insurance Group, Turin, Italy · Business or sector: Insurance

- Prototyped a claims-fraud detection model (random forest + SHAP explainability) that flagged **22% more** suspicious claims at a constant false-positive rate.
- Automated ETL with Python, SQL and Airflow on Snowflake (**40M+ rows**), saving **20 analyst hours per week**.
- Delivered Power BI dashboards for **150+ users**, reducing reporting turnaround from 5 days to same day.
- Partnered with actuarial and claims teams to translate business questions into measurable KPIs.

EDUCATION AND TRAINING

MSc in Data Science & Engineering (Artificial Intelligence)

2020 – 2022

Politecnico di Milano, Italy · EQF level 7 · Grade 110/110

Machine learning, deep learning, statistical inference, big-data systems. Thesis: interpretable time-series forecasting.

BSc in Statistical Sciences

2017 – 2020

University of Bologna, Italy · EQF level 6

ADDITIONAL INFORMATION

- Selected projects:** Open-data energy-demand forecasting (Python, Prophet, Streamlit); LLM-based document-search prototype (RAG) for internal knowledge base; Kaggle tabular-data competitions (top 10%).
- Communication skills:** presents model results to non-technical stakeholders and executives; data-storytelling in English and Italian.
- Organisational skills:** manages a quarterly analytics roadmap with 4 stakeholder teams; coordinates with data engineering and DevOps.
- Driving licence:** B