



# Federico De Cillia

Lead Data Scientist · AI Consultant & Trainer

*I build reliable AI agents that augment people.*

Milan, Italy

federico.decillia@gmail.com

+39 3409310562

[linkedin.com/in/federicodecillia](https://www.linkedin.com/in/federicodecillia)

[github.com/federicodecillia](https://github.com/federicodecillia)

With 12+ years in AI and Data Science, I bridge advanced technology with business objectives. Currently, I lead a Data Science team at EssilorLuxottica, building Databricks-based AI systems for assortment, retail space and conversational analytics across 18,000+ stores globally.

As a hands-on builder and active trainer/consultant, I help teams deploy reliable, high-impact AI on governed data foundations. I ship end-to-end solutions into production, including Databricks Genie agents, recommendation and optimization engines, RAG chatbots, ETL pipelines and automations, always with the goal of augmenting human capabilities and delivering measurable ROI.

Full portfolio & live case studies

[federicodecillia.github.io](https://federicodecillia.github.io)

12+ yrs

AI & DATA SCIENCE

100+

AI PROJECTS SHIPPED

50+

BUSINESSES SERVED

## EXPERIENCE

**Lead Data Scientist** · EssilorLuxottica, Global Retail & DTC Assortment Intelligence 2021 – present

- Lead a data science team owning Databricks-based AI initiatives end-to-end across 18,000+ stores and 100+ markets.
- Built forecasting, anomaly-detection, clustering, optimization and recommendation engines on governed retail data foundations.
- Shipped Databricks Genie and LLM systems giving merchandising, category and space teams natural-language access to enterprise data.
- Impact: incremental revenue, cost optimization, license savings and multi-FTE efficiency gains.

**AI Consultant & Trainer** · Freelance 2019 – present

- Delivered AI agents, LLM chatbots, AI automations and Agent Skills to 50+ businesses across industries; Fiverr Vetted Pro (5/5 across 100+ projects).
- Run tailored AI trainings (generative AI, LLMs, agents, automation) for audiences from beginners to technical teams.
- Advise clients on high-impact use cases and end-to-end delivery, from scoping to production rollout.

**Co-founder & Technology Lead** · Porta Moneta APS, nonprofit volunteer role 2022 – present

- Built the digital operating layer: Website, WeGrocery app, Google Workspace, AI chatbot, Digital membership.

**Senior Data Scientist** · Nielsen 2017 – 2021

- Delivered AI, BI & ML models on audience and panel data across 10+ countries, and built scalable data pipelines.

**Data Scientist** · Bip — Business Integration Partners 2016 – 2017

- Pioneer of Bip xTech CoE. Delivered ML & NLP models at Sky Italy to improve retention and upselling marketing strategies.

**Data Mining Junior Officer** · Università Bocconi 2015

## EDUCATION

**MSc & BSc in Statistical Sciences** · University of Padua 2008 – 2014

**LLP Erasmus, Economics** · Universitat Pompeu Fabra, Barcelona 2012

**IT Technical Diploma (Perito Industriale, Informatica)** · ITI F. Severi, Padua 2004 – 2008

## SKILLS

**AI engineering:** LLMs, AI Agents, RAG, MCP, tool use, evals, fine-tuning, Prompt & Context Engineering, Claude Code & API

**ML & data science:** Python, R, Supervised & Unsupervised Learning, Time Series Forecast, NLP, MLOps, embeddings & vector DBs

**Data & cloud:** SQL, Spark, Databricks, Unity Catalog, Databricks Genie, Power BI, Azure, AWS, GCP, Postgres, Docker, Git & CI/CD

**Apps & web:** FastAPI, Streamlit, TypeScript, Next.js, React, Vercel

**Delivery:** solution architecture, discovery & scoping, technical advisory.

**Languages:** Italian (native), English (C1), Spanish (B2)

## CERTIFICATIONS, RECOGNITIONS

Nova 111 Top Talent Italy (2023)

Databricks Machine Learning Professional

Azure Data Scientist Associate (DP-100)

Tackling the Challenges of Big Data — MIT

Deep Learning Specialization — deeplearning.ai

ML for Data Science & Analytics — Columbia University

Machine Learning Specialization — University of Washington

Python for Data Science — University of California