FRANCESCO **Colasurdo**

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Data Science & AI student passionate about learning from diverse perspectives and transforming ideas into meaningful insights. Highly organized and efficient, with a strong interest in intercultural experiences and personal growth.

EDUCATION

Eindhoven University of Technology (TU/e)   *Aug 2025 – Expected Jul 2027*
MSc in Data Science & AI   *Eindhoven, Netherlands*

- Main courses: Foundations & Ethics of AI, Big Data Management, Gen AI Models, Visual Analytics, Time series.
- Participant in the Honors Master Program, an additional 20-credit track on leadership and personal development.
- Research Project (Grade: 10/10): Spend Smart, Learn Fast: Budget Curricula for Safe RL
  Proposed budget curricula for Safe RL to schedule constraints, enhancing agent robustness and learning efficiency.

University of Salerno   *Sep 2022 – Jul 2025*
BSc in Statistics for Big Data   GPA: 28/30   *Salerno, Italy*

- Participated in seminars and workshops on Machine Learning, Business Analytics, and Data Science.
- **Erasmus+** Merit Scholarship: **Universidad de Granada**, *Spain*   *Sep 2023 – Feb 2024*
  Semester abroad, strengthening analytical, intercultural, and communication skills through international teamwork.

WORK EXPERIENCE

NTT Data   *Mar 2025 – Jun 2025*
Data Science Intern   *Naples, Italy*

- Designed and deployed a mental health chatbot (Dialogflow CX + BigQuery + Telegram API + PowerBI) managing 1k+ conversations with >85% completion rate and high response accuracy.
- Applied machine learning and NLP algorithms, including HDBSCAN, UMAP, and LLM-based sentiment analysis via Gemini API, to uncover 7 key behavioral patterns.

Italian–South African Chamber of Trade and Industries   *Jan 2025 – Mar 2025*
Data Analytics & Market Research Intern   *Johannesburg, South Africa*

- Produced 4 market analyses across energy, steel, and agri-food industries, identifying opportunities with >20% annual growth potential and supporting strategic partnership and export decisions between Italian and ZA firms.
- Built an internal market-intelligence database and automated data pipelines in Excel and Power BI, reducing information-retrieval time from 3 min to <15 sec per query and improving decision-making speed for stakeholders.

PERSONAL PROJECTS

Ask My CV | Personal RAG Assistant   *Live Demo | GitHub Repo*

- Designed and developed a RAG-based AI assistant with FastAPI, Sentence-Transformers, and TF-IDF hybrid retrieval, enabling context-aware, accurate responses to CV-related and personal queries.
- Engineered an end-to-end Python backend orchestrating Datapizza-AI, powering an interactive web chat.

TECHNICAL SKILLS

- **Languages:** Python, R, SQL   **Databases:** MySQL, PostgreSQL, MongoDB, BigQuery
- **ML & AI:** Scikit-learn, XGBoost, TensorFlow, PyTorch, OpenAI API, Hugging Face
- **Data:** Databricks, Spark, Hadoop, ETL pipelines, Power BI, Tableau, Matplotlib, Plotly

CERTIFICATES

- **IELTS 7.5**: Certified English C1 proficiency (British Council) Test Report Form Number: 25IT503120COLF010A
- **Summer School in Data Science and AI for Life Sciences**: (SAS & University of Cambridge, Online)