# Claudio Saponaro

Bari

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 Clausapone

## Summary

AI Consultant with a Master's in Artificial Intelligence and Data Science, combining technical expertise in machine learning, data analysis, and AI strategy with strong communication and collaboration skills enhanced by my internation experience in the Polytechinc of Barcelona. Experienced in translating complex technical solutions—such as LLMs, RAG systems, and predictive models—into business impact through academic projects, hackathons.

## Education

**Polytechnic of Bari**
*BS in Computer Engineering*                                                                        *Oct 2020 – Oct 2023*
○ Thesis: "Application of radiomics and deep learning for the detection of pancreatic tumors from radiological images."

**Polytechnic of Bari**
*MS in Artificial Intelligence and Data Science*                                                      *Oct 2023 – Current*
○ Relevant Courses: Foundations of Machine Learning, Deep Learning, Information Retrieval and Recommender Systems, Big Data

**Polytechnic of Barcelona**
*Erasmus Experience*                                                                                *Feb 2025 – July 2025*
○ Project : DeepQueueNet reproducibility - A Two-Phase Experimental Approach

## Projects

*Political Post Classification Using Graph Neural Networks And Textual Embeddings*
○ Developed embeddings from blogs text and trained a GNN to classify political orientation.
○ Tools Used: Python, Pytorch Geometric, Pandas, Numpy, HuggingFace
○ Results: 96% accuracy using GAT + Adam optimizer

*Managing the last mile delivery of an e-commerce using RAG and open source LLM*
○ Implemented a solution that allowed the LLM to retrieve information from the RAG system before generating the response
○ Tools Used: Python, Protègè, HuggingFace, lama 3.1, ollama
○ Results: the agent is able to retrieve the information from the ontology before answering

## Activities

**Hackathon Randstad Mkers**: Secured second place developing a neural network model using a DistilBERT model with 98.3% accuracy on Randstad test set.

**Ideathon Deloitte**: Secured second place developing PathFinder, a chatbot solution with LLM + RAG to help students explore job opportunities and companies find motivated talent.

## Technology Stack

**Languages**: Python, Java, SQL, MATLAB, MongoDB,
**Technologies**: Generative AI, Agentic AI, AWS/Azure/GCP, Microsoft Azure services
**Frameworks & Libraries**: Scikit-learn, Pandas, Matplotlib, Pytorch, Pytorch Geometric

## Languages

**Italian**: Native
**English**: C1 Proficiency
**Spanish**: B1 Proficiency