



**Date of birth:** 2001

**Nationality:** Italian

## Contact

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## ABOUT MYSELF

I am a Data Scientist and Machine Learning Engineer, and I hold a master's degree in Computer Engineering in the Data Science and Artificial Intelligence field where I learned the foundations of Computer Science, Statistics and Machine Learning.

During my studies I pursued a research path at the Politecnico di Bari University as a research fellow.

## EDUCATION & TRAINING

**13/10/2023 - 26/11/2025** Bari, Italy

- **Master's Degree in Artificial Intelligence and Data Science**  
Politecnico di Bari

**Final grade:** 110 Cum Laude | **Level in EQF:** EQF level 7

**26/09/2020 - 12/10/2023** Bari, Italy

- **Bachelor's Degree in Computer Engineering** Politecnico di Bari  
**Level in EQF:** EQF level 6

## WORK EXPERIENCE

- **Politecnico di Bari, SisInfLab** Bari, Italy

### Research Fellow

29/10/2024 - 29/10/2025

- Development and testing of recommendation systems for the fashion industry, focusing on UX optimization and conversion rate growth.
- Development of an Agent-based personal assistant leveraging Knowledge Graph structures to query and process unstructured personal data.

## PROJECTS

- **Agentic Personal Assistant with complex reasoning capabilities**

Development of a personal assistant capable of answering complex questions about the user's personal data (e.g., alarms, events, photos, etc.) using Agents over a Personal Knowledge Graph data structure.

- **RAG over Wharehouse logistics data**

Implementing a chatbot with a RAG System and multiple Agents for managing Wharehouse logistics through natural laguage.

- **Ontology-driven ML tasks enhancer**

Enhanced Machine Learning model performance by augmenting datasets using OWL ontologies and SWRL rules.

## SKILLS

### PROGRAMMING LANGUAGES AND FRAMEWORKS

Python | Java | Matlab | OWL | PyTorch | NumPy | Scikit-Learn | pandas