


Date of birth: 2001

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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 Warehouse logistics data**

Implementing a chatbot with a RAG System and multiple Agents for managing Warehouse logistics through natural language.

● **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