

# Giovanni Spadaro

*Data Science master student*

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📄 CV PDF

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in Giovanni Spadaro

## Education

Oct 2022 –  
Present

### MSc in Data Science

University of Catania, Catania, IT

Areas of study: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Statistics, Data Analytics.

Sep 2018 – Oct  
2022

### BSc in Computer Engineering

University of Catania, Catania, IT

Thesis: *Predictive algorithms' application in medical diagnosis*

Final grade: 110/110. Areas of study: Computer Science, Machine Learning, Signal Processing, Electronics, Automation.

## Academic Research Experience

Feb – May 2023

**University of Catania, Catania, IT**

*Research assistant*

Mentor: Prof. Francesco Beritelli, Ing. Michele Russo

Analysis and implementation of GAN based techniques for anomaly detection in time-series datasets.

## Industrial Experience

**Freelance, Catania, IT**

*AI engineer*

1. Text classification system based on the transformer encoder-only architecture and on a custom training recipe. 2. Score-based text matching system tailored to the specific business problem. 3. Data management and ingestion procedures. Including data cleaning, LLM-based data enrichment and third-party services data enrichment. 4. Development of a simple demo web app. Main technologies used: PyTorch, Transformers, Pandas, Duckdb, LangChain, HuggingFace spaces, Gradio.

Jun – Jul 2024

**Silk Shells Consulting, Remote**

## Data Scientist

1. Development of XGBoost-based multiclass classification system aimed at discriminating a candidate based on features partly proposed by the candidate and partly engineered from structured and unstructured sources (PDF curriculum). 2. Gradio-based demo web application to show the system's prototype. 3. Deployment of the serving infrastructure in production on AWS platform. Main services used: Sagemaker, Lambda, Event Bridge. Skills Acquired: Pandas, Scikit-learn, XGBoost, OpenAI, PostgreSQL, Git, AWS, Google Cloud, HuggingFace spaces.

# Teaching Experience

**Superprof**, Remote - Catania, IT

## Private Professor

Private lessons of Mathematics, Physics, Computer Science, Electrotechnics, Machine Learning, Natural Language Processing and Computer Vision for MSc, BSc and high school students. Make students grow academically and get them excited about scientific subjects.

# Volunteering

**UNICT FSC**, Catania, IT

## Automotive engineer

I'm part of the Low Voltage division of the Catania team taking that should take part in the Formula SAE competition. My role since now has been to manage the workflow of the Low and High Voltage divisions and taking part to the R&D of a communication system based on the CAN-bus protocol.

# Courses, Hackathons, Certificates and others

Nov 2024

**University of Catania, IBM**, Catania, IT

## Qiskit Fall Fest Catania 2024

Series of seminars about Basics of Quantum Mechanics, Quantum Computing and Qiskit framework. Solving 3 sets of challenges using Qiskit.

 [Certificate](#)  [Repo](#)

Oct - Dec 2023

**University of Catania**, Catania, IT

## How to build and use a Big Data Platform on the AWS Cloud

Understand the basics of cloud computing and modern data architectures and learn about the main AWS technologies for creating and managing Data Storage, Data Processing and Data Analysis steps.

 [Certificate](#)

Apr - Jul 2023

**Wylab**, Remote - Chiavari, IT

### *Volley Data Analyst*

Match analysis, opposition scouting e talent scouting from Volleyball scout datasets.

 [Certificate](#)  [Register](#)

Jan - May 2023

### **University of Catania, Samsung Italy, Catania, IT**

#### *Samsung Innovation Campus*

Series of lessons about Machine Learning, Deep Learning, IoT and Cyber Security from UNICT professors and Samsung experts. Development of a group project about an innovative project in the field of smart homes.

 [Certificate](#)  [Project pitch](#)

Mar 2023

### **Opinno, Catania, IT**

#### *Cloud Practitioner Essentials*

Introduction to the AWS platform.

 [Certificate](#)

May 2019

### **Var Group, Riccione, IT**

#### *MasterTech Hackathon 2019*

Solve a business problem related to the supermarket checkout queue forecast in 32 hours using Machine Learning techniques.

Mar 2018

### **Ofqual, Catania, IT**

#### *Cambridge First Certificate B2*

 [Certificate](#)

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