

Giovanni Spadaro

Data Science master student

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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*

Advisor: Prof. Maurizio Palesi

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

🔗 [Thesis Repository](#)

Academic Research Experience

Feb - May 2023

University of Catania, Catania, IT

Research assistant

Supervisors: Prof. Francesco Beritelli, Ing. Michele Russo

Study and implementation of SOTA GAN based architectures for anomaly detection in industrial multivariate time-series datasets. Training and evaluation of such models in order to provide a baseline aimed at predictive maintenance and early machineries fault detection. Technologies: GANs, LSTMs, PyTorch, Scikit-learn.

Industrial Experience

Jun - Jul 2024

Silk Shells Consulting, Remote

Data Scientist

Designed and implemented a multiclass classification system to evaluate candidate profiles, leveraging advanced feature engineering across both structured datasets and unstructured text sources. Built an interactive Gradio web application to demonstrate the system's prototype and support rapid model validation and overall feedbacks.

Deployed a scalable, production-grade inference infrastructure on AWS, ensuring reliable model serving and smooth integration with existing business workflows.
Technologies and Services: AWS (mainly SageMaker, Lambda), Google Cloud, PostgreSQL, Pandas, Scikit-learn, XGBoost, OpenAI APIs, HuggingFace Spaces, Git.

Teaching Experience

Sep 2022 -
Present

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

Nov 2024 -
Present

UNICT FSC, Catania, IT

Automotive software engineer

I'm part of the Low Voltage division of the Formula SAE Catania team. My role is to manage the software workflow of my division and all IT related aspects of the whole team. I also guide the R&D of the car's telemetry system. Technologies: C, Git, ESP32, IEEE 802.3cg- 2019, CANbus, Graphana, OpenTelemetry, NextJS, Javascript.

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](#)  [Repository](#)

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 an innovative group project: Hexagarden, an intelligent home wall garden.

 [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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