

Manuel Placella

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Portfolio <https://manuelplacella.github.io/myportfolio/>

EDUCATION

Alma Mater Studiorum - Università di Bologna

Master's Degree in Computer Science | Expected Graduation Year: 2024

Bologna, Italy

Sep. 2022 – Present

- Best Marks: **Context-Aware System** (30/30 cum laude), **Database Complements - Artificial Intelligence** (30/30), **Data Analytics** (29/30), **Social Network Analysis** (29/30), **Machine Learning** (28/30).

Università degli Studi della Basilicata

Bachelor's Degree in Computer Sciences and Technologies with a grade of 103/110

Potenza, Italy

Sep. 2017 – Jul 2022

- Thesis on a Java-based RPA application with GUI to automate tasks like quiz generation in XML, conversion to PDF, compiling into a single PDF, Excel sheet filling, and data publishing on a university server.
- Additional Coursework:** Completed the CISCO CCNAv7, earning certification.

WORK EXPERIENCE

La Locanda di Pietra SRL

Pietrapertosa, Italy

Room Manager (Summer Seasonal Work)

2018 – 2023

- Directed and supported a team of 6/8 service staff, enhancing team collaboration and service excellence.
- Implemented strategic floor plans and staff rotations to optimize dining area efficiency and guest satisfaction (maximum capacity of 100 guests).
- Coordinated with the kitchen and bar staff to ensure timely and accurate order fulfillment.
- Managed the cash register and oversaw all customer payments.
- Responsible for the restaurant's daily financial reporting.

PROJECTS

Year Song Prediction

[More Info](#)

- Project for the "Data Analytics" Course. Covering all phases of the data analysis pipeline.
- Aims to predict the release year of songs using advanced supervised Machine Learning techniques, including neural networks and innovative models such as TabNet and TabTransformer.

Motion Deblurring

[Github Repo](#)

- Project for the "Machine Learning" Course.
- By employing a neural network implemented with Keras, the project showcases the power of deep learning in enhancing image clarity.

AI for Olive Oil Authenticity

[Github Repo](#)

- Project for the "Artificial Intelligence" Course focuses on fighting olive oil fraud by authenticating the geographic origins of extra virgin and virgin olive oils (EVOO and VOO).
- The goal is to verify geographical origin using artificial intelligence and analytical techniques.

Geo-Referenced Photo Management System

[Github Repo](#)

- Project for the "Context-Aware Systems" Course focuses on creating a software platform for managing georeferenced photographic images.
- The primary objective is to give users the ability to acquire new multimedia content through mobile devices and access it easily, with the capability for advanced spatial data analysis for visualization, as well as the clustering of geographic indicators related to images using various machine learning algorithms.

EXTRA ACTIVITIES

UNPLI BASILICATA

Pietrapertosa, Italy

Servizio Civile Universale - Volunteering

Nov. 2019 – Sep. 2020

- Planning, coordination, and management of local events aimed at promoting and enhancing the cultural and natural heritage of the territory.
- Collaboration with local authorities, associations, and volunteers for the creation and implementation of various activities.
- Production of promotional materials and use of social media platforms to spread awareness of events and local initiatives.

SKILLS

Technologies: Python, Java, SQL, Pandas, NumPy, TensorFlow, PyTorch, Keras, Matplotlib, Git, Data Structures, Algorithms, C++, HTML, CSS, JS.

Languages: Italian (Native), English (B2).