

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 with a grade of 110/110 and praise

Bologna, Italy

Sep. 2022 – Dec. 2024

- Thesis project titled *Customer Segmentation Using Clustering Techniques*, in which I applied advanced algorithms to analyze the customers of a private higher education institution, identifying behavioral and purchasing patterns. This provided strategic insights to personalize services and optimize marketing strategies..

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.

CERTIFICATIONS

GCP - Google Cloud Platform

Google Cloud Professional Data Engineer Certification

Bologna, Italia

Oct. 2024

WORK EXPERIENCE

Horsa Insight S.R.L

Bologna, Italia / Remotely

Data & Analyst Consultant

Giu. 2024 –Attuale

- Management and maintenance of client companies' databases, ensuring data integrity and optimal performance.
- Resolution of client issues by handling support tickets.

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).