



ALESSIA SIMONE

Data Analyst & Scientist



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PROFILE

Master's Degree in Data Science and IoT specialized, after an engaging academic path with 28/30 GRE and finished with 110 summa cum laude. I am looking for the company that bets on my abilities and gives me the opportunity to enter the world of work, to begin a career climb towards the top.

KNOWLEDGE

Master's Degree in
Data Science
University of Catania
2021 - 2023

3-Years Degree in
Economics and
Management of
Tourism Businessess
University of Catania
2010 - 2021

TECHNICAL SKILLS

- Python
- SQL
- C++
- Matlab
- Netlogo
- Apache Spark
- Microsoft Azure
- Google Cloud & BigQuery
- OS & Shell

LANGUAGES

- English
- German
- French
- Swedish
- Finnish



ACADEMIC PROJECTS

Smart HealthCare - CPS for stress detection

Master's thesis project aimed at creating a wearable watch prototype, created with ESP8266, containing an algorithm capable of identifying stress peaks through measurements of BPM and peripheral skin temperature of the individual.

VPD Project

Voice Pathology Detection, a project aimed at the OpenCV competition, allows you to identify pathologies related to the vocal cords using an ESP32 device that records 5 seconds of sound represented by the patient's vowel "a".

Tumor Brain MRI Generation

Implementation of Generative Adversarial Network architecture for the generation of MRI-type medical images, tumor and non-tumor, with total FID of 106.8.

Object Detection and Images Classification

Application of pre-trained and untrained convolutional neural networks aimed at identifying and classifying everyday objects in a sample of images with distribution shift without the use of bounding boxes with a resulting 70% accuracy.

Epidemiological Analysis about Depression and Food

Application of various statistical models on a questionnaire of eating habits, identifying a strong correlation between bad eating habits and depression fish, eggs and pickles as excellent foods for reducing depression.

Fetal Health Status Classification

Classification on approximately 2000 patients with supervised, unsupervised and semi-supervised models and 90% accuracy.

PIMA Indians Diabetes Prediction

Supervised binary classification on 500 individuals with Random Forest and 90% accuracy.

Type of Glass Data Analysis

Classification and analysis of the chemical characteristics of 8 types of glass with VEV model-based clustering, identifying 5 groups with BIC of -1323.



WORKING EXPERIENCES

Food Room Manager

Sherlock Holmes Pub
2017 - 2021

Waitress

Almyra Ristorante
2015 - 2017

Food Room Manager

Arenella Resort
2013 - 2015