



GIUSEPPE BELLAMACINA

AI / ML ENGINEER

EDUCATION

Bachelor's Degree in Computer Science

Università degli Studi di Catania | 2021 - 2024

- Graduation Grade: 110 cum Laude

High School Diploma

Liceo Archimede (Acireale, CT) | 2016 - 2021

WORK EXPERIENCES

Artificial Intelligence Engineer & Data Scientist

Intellisync | December 2024 - May 2025

AI Research and Development:

- Development and optimization of multi-agent architectures.
- Analysis and research of new application fields for innovative AI technologies, with a focus on scalable and customized solutions.
- Design and implementation of functional prototypes to test ideas and validate technical approaches.

Data Science & Predictive Analytics:

- Advanced analysis of large amounts of data from wind turbines to identify patterns and anomalies.
- Development of predictive models for energy loss estimation and failure prediction, based on neural networks and machine learning techniques.

Corporate Internship

Intellisync | June 2024 - November 2024

AI Research and Development:

- Design and development of a chatbot based on Retrieval-Augmented Generation (RAG) techniques.
- Analysis of the customer's needs to define the system architecture and functional requirements.

INDIVIDUAL PROJECTS

Facial Recognition via CNN:

- Creation of a ResNet-type CNN Neural Network (with PyTorch) capable of recognizing faces and trained locally on a dataset of 60k augmented images.

Guardian:

- Chatbot developed with LangChain and LangGraph capable of performing Network Analysis tasks to assist Law Enforcement in investigations and controls.
- Multi-agent architecture with GraphRAG implementation based on Neo4j.

CONTACTS

- Catania, Italy
- +39 3496790342
- bellamacina50@gmail.com
- GitHub
- LinkedIn

LANGUAGES

- Italian (Native Speaker)
- English (B2)

PROGRAMMING LANGUAGES

- C
- C++
- C#
- Python
- Java
- JavaScript

QUERY LANGUAGES

- Cypher
- SQL

GRAPHICS SOFTWARE

- Blender
- Photoshop

GAME DEVELOPMENT

- Unity
- Unreal