

# Giuseppe Farano

COMPUTER ENGINEERING STUDENT

Date and place of birth: August 2<sup>nd</sup> 2001 - Barletta      Residence: Via Ofanto 58 - Barletta (BT) - Italy

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## Profile

Master's degree student, very enthusiastic about Artificial Intelligence and its application in industrial context. The candidate is strongly motivated in learning new skills that allow him to face new challenges.

## Education

### Bachelor's degree in Computer and Automation Engineering

2020 - 2023

POLYTECHNIC OF BARI

Bari, Italy

- Thesis title: Analysis and implementation of a standard architectural layer for a Smart city data exchange on Blockchain

### Master's degree in Computer Science Engineering. Curriculum: Artificial Intelligence and Data Science

2023 - 2025

POLYTECHNIC OF BARI

Bari, Italy

- Thesis title: Study, development and application of Artificial Vision algorithms and AI models for quality control in industry

## Work experience

### Software Engineer - Extra-curricular Internship

Jun. 2022 - Sep. 2022

ANGELSTAR S.R.L.

Mola di Bari, Italy

- Design and development of a new prototype of communication system between train and a signaling station
- Software documentation
- Acquired skills: C++, Team work

### Curricular Internship

Mar. 2025 - Jun. 2025

CNR STIIMA

Bari, Italy

- Data preparation of Hyperspectral Images (HSI) related to the textile industry
- Study and fine-tuning of HyperSIGMA, the state-of-the-art foundation model for Hyperspectral Imaging
- Acquired skills: PyTorch, Deep Learning, Hyperspectral Imaging

## Other relevant activities

### Poliba Soft Skill Academy

Jun. 2021

POLYTECHNIC OF BARI

Bari, Italy

- Training on active job search
- Addressed topics in skills building, NLP and strategic communication, team building and leadership, critical thinking

### Project Work: Using Kullback-Leibler divergence for Automated Guided Vehicles

March-April 2024

#### Localization

POLYTECHNIC OF BARI, CNR STIIMA

Bari, Italy

- Developed an algorithm to acquire cloudpoints from a LiDAR and analyze them by using KL divergence
- Skills: Python threading library, Intel Realsense library (librealsense2), Bickfeld LiDAR library (Bickfeld-Scanner-Library)

## Soft Skills

- Strong motivation to develop hard skills to expand knowledge and competencies
- Natural propensity to learn and face ambitious challenges
- Vivid interest in using Artificial Intelligence as a problem-solving tool
- Excellent propensity to collaboration

## Languages

Italian, Native

English, Technical

## Authorization to process personal data

I authorize the processing of personal data pursuant to Legislative Decree 196/2003