

# FRANCESCO MONTANARO

Computer Science  
Engineer

## PROFILE

Passionate computer science engineer with founded experience in software engineering and a solid academic background in Artificial Intelligence. Excellent analytical, problem-solving and team collaboration skills, aiming to contribute to cutting-edge AI projects.

## CONTACTS

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Links: [Portfolio](#) | [LinkedIn](#)

## LANGUAGES

Italian: Native proficiency  
English: Full professional proficiency  
Spanish: Basic knowledge

## EXPERIENCE

### Software Engineer

Bititup s.r.l.  
09/2022 - present

- Developed and implemented robust Robotic Process Automation (RPA) systems, enhancing operational efficiency.
- Developed full-stack web applications, integrating front-end and back-end components to deliver cohesive and efficient solutions.
- Led the integration of AI and machine learning models into existing software solutions.

### Freelancer in Software Development

01/2021 - 09/2022

- Provided full-stack development services, focusing on data-driven applications.

## EDUCATION

### Master of Science in Computer Science and Engineering

Politecnico di Milano  
09/2019 - 12/2022

- Specialization in Artificial Intelligence
- Thesis: "[A Deep Learning Framework to Infer Functional and Spatial Properties from CFD](#)"

### Bachelor Degree in Computer Science and Telecommunications Engineering

University of Cassino and Southern Lazio  
09/2016 - 07/2019

- Thesis: "Handwriting Analysis for the Diagnosis of Cognitive Impairment."

## TECHNICAL SKILLS & COMPETENCES

### Artificial Intelligence & Machine Learning

- Proficient in Python for machine learning, deep learning, and AI development.
- Experienced in using deep learning frameworks such as Tensorflow and Keras.

### Software Engineering

- Strong skills in C++, C#, and .NET for object-oriented programming, game development, and embedded systems.
- Expertise in full-stack web development using PHP, HTML, CSS, JavaScript.
- Familiar with Docker for containerizing applications, enhancing development consistency and facilitating deployment processes.

### Data Engineering & Analytics

- Advanced knowledge in SQL, MongoDB for database structuring and development.
- Competent in using AMPL for optimization problems, enhancing operational research and game theory applications.

### Robotics & Automation

- Hands-on experience with Arduino and Raspberry Pi for robotics projects.
- Skilled in RPA using UiPath and Selenium, streamlining business processes through automation.