FRANCESCO MONTANARO

Computer Science Engineer

PROFILE

Passionate computer science engineer with founded experience in Software Engineering and Artificial Intelligence. Excellent analytical, problem-solving and team collaboration skills, aiming to contribute to cutting-edge AI projects.

CONTACTS

Mobile: +39 392 0827058
Email: francesco.montanaro998@gmail.com
Website: https://francescomontanaro.com
Address: Via Terenzio Varrone 9, Cassino (FR) 03043, Italy

LANGUAGES

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

EXPERIENCE

Data Scientist & MLOps Engineer

Skienda s.r.l.
04/2024 - present

• Developing and deploying **Machine Learning** & **Deep Learning** models to leverage data for various business applications and objectives.
• Designing and implementing **MLOps** pipelines for continuous integration, deployment and monitoring of Machine Learning models.
• Collaborating with cross-functional teams to identify business opportunities and develop data-driven solutions.

Software Engineer

Bititup s.r.l.
09/2022 - 04/2024

• Developed and implemented 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.

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

Data Science & MLOps
• Proficient in **Python** for Machine Learning, Deep Learning and AI development.
• Experienced in using Deep Learning frameworks such as **Tensorflow**, **Keras**, **Pytorch** and **Scikit-learn**.
• Qualified in MLOps techniques: **Docker**, **Kubernetes**, **KubeFlow**, **Git**, **CI/CD**.

Software Engineering & DevOps
• 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**.
• Experienced with **Docker** and **Kubernetes** 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.