

Fabio Notaro

PhD student in Data Science and Computation

📅 12/07/2001

🏢 University of Bologna /
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🌐 FabioNotaro2001

PROFILE

I am currently pursuing an industrial PhD in **Data Science and Computation** at the **University of Bologna** and **Automobili Lamborghini S.p.A.**.

My research focuses on the study and use of **machine learning, deep learning, computer vision** and **software engineering** techniques applied to the fields of product engagement, human analysis and biometric security.

PROFESSIONAL EXPERIENCE

Academic tutor

September 2025 - Ongoing

University of Bologna

Cesena, Italy

Teaching tutor for the course of Elements of Computer Architecture and Operating Systems (6 credits), part of the three-year professional degree programme in Information Systems Technologies, and for the course of Databases (12 credits), part of the three-year degree programme in Computer Science and Engineering.

Computer science teacher

June 2024 - November 2025

Ser.In.Ar. Forli-Cesena

Cesena, Italy

Teaching for over 220 hours of computer science, programming, robotics and computational thinking courses in more than 10 school complexes as part of national and European projects.

Analyst

August 2022 - October 2022

Food Hub S.R.L. Società Benefit

Cesena, Italy

- Development of a feasibility study for the development of an e-learning platform based on Moodle
- Technical tests and comparative analysis to verify the quality of platforms similar to the state of the art of the project studied
- Contribution to the writing of the company business plan.

Software developer

May 2019 - July 2019

Onit S.p.A.

Cesena, Italy

- Development of management software for tracking employee arrivals/departures and attendance using .NET and JSON
- Study, advanced sensor programming in Basic and testing on SumoBot WX robots.

IT technician

May 2018 - July 2018

IIS Pascal Comandini - ITT "Blaise Pascal"

Cesena, Italy

Assembly and programming in Python of a robot-car controlled by hand movements via accelerometer.

AIA-FIGC official soccer referee
AIA Cesena section

August 2018 - December 2024
Cesena, Italy

EDUCATION

Industrial PhD in Data Science and Computation
University of Bologna, Automobili Lamborghini S.p.A.

November 2025 - Ongoing
Cesena / Sant'Agata Bolognese, Italy

Research project on the study and application of deep learning and computer vision techniques in the field of product engagement and customer analysis, carried out at the MI@BioLab laboratory of the University of Bologna and at the Finance, Marketing and IT division of Automobili Lamborghini.

Master Degree in Computer Science and Engineering
University of Bologna - Cesena campus

September 2023 - July 2025
Cesena, Italy

- Final grade: 110/110 cum laude
 - Thesis title: Video-based Morphing Attack Detection
 - Thesis description: study, training and validation of computer vision and deep learning models for biometric security, aimed at identifying and classifying morphing attacks (fraudulent counterfeiting of facial images) in video sequences through the creation of a proprietary dataset.
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Bachelor Degree in Computer Science and Engineering
University of Bologna - Cesena campus

September 2020 - July 2023
Cesena, Italy

- Final grade: 110/110 cum laude
 - Thesis title: Federated Learning for Morphing Attack Detection
 - Thesis description: study, design and implementation of a federated learning infrastructure using the NVIDIA NVFlare framework for distributed and privacy-compliant training of deep learning and computer vision models dedicated to the detection of morphing attacks in the biometric field, specifically fraudulent counterfeiting of facial images.
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High school diploma
IIS Pascal Comandini - ITT "Blaise Pascal"

Set 2015 - Lug 2020
Italia

- Final grade: 100/100 cum laude.
 - Field of study: computer science.
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LANGUAGES AND CERTIFICATIONS

Languages:

- Native Italian speaker
- English B2
- Spanish B1

Certifications:

- Personal data protection - Training course for teachers/researchers/PhD students (University of Bologna), 10/11/2025
- Oracle Data Platform 2025 Certified Foundations Associate, 01/10/2025

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate, 28/09/2025
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate, 26/09/2025
- B2 level English language certification.

KEY SKILLS

Programming languages:	Python, Java, Kotlin, C#, BASH scripting, C, C++, Basic, Prolog, Scala, MATLAB, Jason, Go, Swift
Machine learning and data science:	NumPy, pandas, scikit-learn, Keras, PyTorch, TensorFlow, NVFlare
DVCS and deployment:	Git, Docker, Kubernetes
Other languages:	SQL, RDF, RDFS, OWL
Web development:	HTML, CSS, JavaScript, PHP, TypeScript, Node.js, Angular, React, Vue.js, jQuery, Bootstrap
Simulation:	CARLA Simulator

THIRD MISSION

- **Researchers' Night 2025:** technical support for presentations, demonstrations and interactive activities planned for research work.