# Roberto Vicario

### **Software Engineer**

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### **Experience**

**Software Engineer**Motus ml
Milan, Italy

- I developed software specifically tailored for Engineering applications, gaining expertise in advanced development to address complex Data-driven challenges through Streaming Machine Learning.
- For many projects, I was responsible for improving legacy applications. This involved everything from *Full-stack* enhancements to redesigning *API* structures and endpoints.
- Startup life made me a One-man-army, someone able to try to do anything, or whatever is needed. It's one of the most valuable skills I gained, the major driver of my growth.

Python JavaScript Bootstrap Flask Git Docker MySQL PostgreSQL Pandas

**Data Scientist Intern** 

University of Insubria, DiSTA Department

10/2023 - 01/2024 Varese, Italy

- Conducted a Machine Learning research project on Stress Detection using HRV data, under the supervision of Silvia Corchs, PhD. We implemented a Multiclass Classification pipeline integrating Ensemble Methods, with strong emphasis on Overfitting Prevention.
- The project served as the foundation for my *Experimental Thesis*, and the related *Kaggle Notebook* gained recognition by community with multiple forks.

Python Pandas scikit-learn Data Analysis Machine Learning

#### **Education**

### **MSc in Computer Science**

University of Insubria

10/2024 – Ongoing Varese, Italy

- Average Grade: 25/30, CFU: 27/120
- Projects: Machine Learning, Data Visualization, Data Security

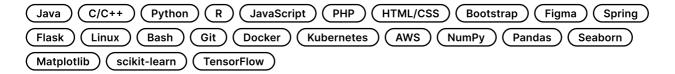
#### **BSc in Computer Science**

University of Insubria

10/2020 - 02/2024 Varese, Italy

- Grade: 91/110
- Thesis: Apply Machine Learning for Stress Detection in Office Work Environments

#### **Skills**



	Listening	Reading	Writing	Speaking
Italian	C2	C2	C2	C2
English	C1	C1	C1	C1
French	B2	B2	B1	B1
Spanish	A2	A2	A2	A2
German	A1	A1	A1	A1

## **Technical Experiences**

#### CyberChallenge.IT

Cybersecurity National Lab

02/2025 - 06/2025 Varese, Italy

- Admitted to *Italian Training* program as one of the best *U24 Ethical Hackers* (840 spots nationwide).
- The training featured hands-on challenges in *Cryptography, Penetration Testing, Network Sniffing, Web Vulnerabilities, Code Injection, Binary Exploitation, and Intelligence Operations.*

C/C++ Python JavaScript PHP pwntools Wireshark SQLi XSS ngrok Ghidra

#### **Exchange Semester**

University of Applied Sciences and Arts of Southern Switzerland

02/2024 - 08/2024 Lugano, Switzerland

- After completing my Bachelor's Degree, I attended the first semester of the Swiss MSE.
- Gained hands-on experience with real-world applications by focusing on <u>DevOps</u> methodologies and related technologies. Deepened my knowledge in <u>Machine Learning</u>, with a particular emphasis on <u>LLMs</u>, through the <u>Deep Learning</u> course I attended at <u>ZHAW</u> in Zurich.
- Semester Project: <u>C++ Consistent Hashing Benchmark Tool</u>

DevOps Cloud Computing Deep Learning LLMs

#### **Open Source Contributions**

GitHub, HuggingFace, Kaggle, etc.

- Coding is also a hobby. Check out the following projects, which I consider my best work.
- Projects: 2UML, Akademos, and more

Software Notebook Learning Research

#### **Certifications and Licenses**

CyberChallenge.IT 05/2025

Cybersecurity National Lab (CINI) · CCIT25

**Cybersecurity Attack and Defense Fundamentals** 

EC-Council · V7HDTZUQHYVC

09/2023