

Afonso Amorim

LinkedIn: <https://www.linkedin.com/in/afonso-amorim-6b34a6216/>

Portfolio: <https://laureano139.github.io/>

GitHub: <https://github.com/Laureano139>

Profile

Motivated Information Technology student with a strong foundation in Python, computer networks, cloud systems, and cybersecurity. Experienced in software development, data analysis, and machine learning, with hands-on projects in automation, security, and full-stack tools. Quick learner, effective communicator, and eager to apply academic knowledge in real-world challenges.

Education

Sep 2023 – Present **Master's Degree in Computer Engineering**, *University of Minho*

Specialization in Networks, with 6 specialized courses covering:

- Protocols & Network Architecture (TCP, UDP, routing, congestion & traffic control, Quality of Service)
- Network Security (firewalls, threat detection, monitoring)
- "New generation" networks, modern protocols
- Network Tools (Wireshark, packet analysis, cloud networking, Internet Engineering)

Built a solid theoretical and practical foundation in cloud systems and cybersecurity.

Oct 2020 – Jun 2023 **Bachelor's Degree in Computer Engineering**, *University of Minho*

Technical Skills

Languages & Frameworks Python, C#, Node.js, SQL, HTML, CSS, Pandas, Matplotlib, KNIME

Databases MongoDB, SQL

DevOps & Tools Docker, Git, GitHub, GitHub Actions, Wireshark, NMap, Microsoft Office, Excel, Pandas, NumPy, Mathplotlib

Networks & Security TCP/UDP, Firewalls, Routing, Traffic Control, Packet Analysis

Other Data Analysis, Machine Learning, GUI Development, Cloud Fundamentals

Projects

Python Account Manager & Password Generator I have used Python to develop a secure password manager with bcrypt authentication and strong password generation, enabling users to manage credentials with robust update & recovery features.

Data Analysis Projects Conducted exploratory analysis and visualization of datasets. Built Excel dashboards and Python visualizations for reporting and insight extraction.

Automated Product Price Scraper Created a web scraper to track wishlist prices from kuantokusta website. Automated with GitHub Actions, running daily at fixed times for continuous monitoring.

Musify – Music Player App Built a desktop music player app with local library support. Implemented playback features (play, pause, skip, restart) and GUI with WPF.

Machine Learning Projects
Fitness Classification: Applied supervised ML to predict individual fitness from health metrics.
Wine Quality Prediction: Used Logistic Regression with feature engineering to predict wine quality.
Iris Clustering: Implemented K-means and K-medoids to classify iris species.
Portfolio Website
<https://laureano139.github.io>

Internships

Dec 2024 – Present
Gradiant – Multimodal Model Distillation Dissertation Project (Vigo, Spain)
Conducting research on multimodal model distillation in Artificial Intelligence. Applying knowledge in AI, networks, and security in a research and development environment.

Courses & Certifications

Trainer Training Course — Cefolgest (Nov 2024 – Jan 2025)
E-Trainer Course — Cefolgest (Mar 2025 – Apr 2025)

Languages

Portuguese: Native
English: Advanced

Soft Skills

Effective communicator — Analytical & organized — Quick learner — Creative — Good Time management — Curious

Hobbies

Football — Gym — Hiking — Fishing