EYA ZINEDDINE

Paris, France • eyazineddine902@gmail.com • linkedin.com/in/eyazineddine • eyazineddine.com

AI Engineer

PROFILE

Graduate engineer in Artificial Intelligence (M.Sc., University of Cagliari, 2026), with research experience in GNN-based intrusion detection and time-series anomaly detection on cybersecurity datasets. Background spans full-stack software development and embedded/IoT systems, with strong proficiency in Python and Machine Learning frameworks (PyTorch, scikit-learn, TensorFlow/Keras). Rigorous, autonomous, and used to documenting every step of a project, from prototype to validation. Graduated and immediately available in Paris for an AI/Machine Learning position or a PhD.

EXPERIENCE

Machine Learning Engineer, Research Internship Paris, FR

Conservatoire National des Arts et Métiers (CNAM) Sep 2025 - Mar 2026

- Built a scalable preprocessing pipeline for time-series cybersecurity data, detecting and filtering attack-related anomalies across 4 benchmark datasets to improve downstream GNN model quality.
- Implemented an anomaly-aware training and evaluation workflow for Graph Neural Network (GNN) intrusion-detection models, validated against 4 distinct attack types.
- Designed reproducible evaluation protocols comparing anomaly-filtering strategies, contributing to interpretable ML research applied to network security.

Full Stack Software Engineer, Internship Sfax, TN

Exadev Jun 2023 - Jul 2023

- Developed a Laravel e-commerce platform (50+ products) with secure authentication, shopping cart, order tracking, and user profile management.
- Designed a responsive HTML/CSS interface with a full checkout flow and role-based access control.
- Managed the local development environment with Laragon and versioned the code with Git, with admin/user role separation across the full application.

Embedded Systems & IoT Engineer, Internship Sfax, TN

ESSE Feb 2022 - Jun 2022

- Designed and deployed a wearable EMG monitoring system, programmed the ESP32 firmware, integrated Grove-EMG sensors across 2 muscle groups, and developed a Flutter mobile app with real-time Firebase sync.
- Achieved 70% data integrity over wireless transmission across 20+ supervised test sessions.
- Processed and visualized EMG signals in MATLAB for system validation and performance analysis.

EDUCATION

M.Sc. Computer Science, Artificial Intelligence & Machine Learning Cagliari, IT

Università degli Studi di Cagliari, Facoltà di Ingegneria e Architettura Oct 2023 - Sep 2026

- ERASMUS exchange at CNAM Paris (Sep 2024 - Feb 2025): Big Data, Network Security, Digital Forensics, Web Security, Malware Analysis.
- Relevant coursework: Machine Learning, Deep Learning, Computer Vision, Embedded Systems.

Master 1, Embedded Systems Sfax, TN

National School of Electronics and Telecommunications of Sfax (ENETCOM) Sep 2022 - May 2023

Bachelor's in Information and Communication Technology, IoT specialization Sfax, TN

National School of Electronics and Telecommunications of Sfax (ENETCOM) Graduated Jul 2022

SKILLS

AI & Machine Learning : Machine Learning, Deep Learning, Graph Neural Networks (GNN), Anomaly Detection, Image Classification, Time Series Analysis, Intrusion Detection

Frameworks & Libraries : PyTorch, scikit-learn, pandas, NumPy, TensorFlow/Keras

Cybersecurity : Network Security, Digital Forensics, Web Security, Malware Analysis

Programming Languages : Python, Java, C/C++, JavaScript, HTML/CSS, VBA, Git

Embedded & IoT : ESP32, Arduino, Raspberry Pi, FPGA, VHDL, MATLAB, LabVIEW, ARM Cortex-M

Web & Mobile : Laravel, Flutter, Firebase

LANGUAGES

French (Fluent) • English (Fluent) • Arabic (Native) • Italian (Intermediate)