Salah Eddine Zouitni

Software Developer & AI Engineering Intern

Professional Summary

Dynamic Software Developer pursuing a Master's in AI and Data Science. Combining strong foundations in full-stack web development (React, JAVA, Laravel) with technical expertise in Python and Machine Learning. Passionate about building robust, scalable applications, writing clean code, and working in collaborative environments. Seeking a software development internship to contribute to a dynamic developer team and deliver impactful web solutions.

Technical Skills

Web Development	HTML5, CSS3, JavaScript, React.js, Tailwind CSS, Bootstrap
Backend & Tools	PHP (Laravel), Flask, Java, C, Git, GitHub/GitLab, RESTful APIs
Machine Learning	Scikit-learn, TensorFlow/Keras, CNNs, EfficientNet, Random Forest, Model Deployment
Data Science	Python (Pandas, NumPy), Data Visualization (Matplotlib, Seaborn), SQL, Data Cleaning

Experience

2024 (2 mo) — **Web Development & Data Intern**, *Faculty of Oussoul Eddine*
- Developed "HR-System", a full-stack platform using **React.js** and **Laravel** to streamline HR workflows.
- Implemented features for digital employee management and automated certificate issuance.
- Engineered a custom statistics dashboard using **MySQL** to visualize workforce data and metrics.
- **Repository:** `https://github.com/BR1WA/HR-System`

2023 (1 mo) — **Full Stack Development Intern**, *Green Rever*
- Developed responsive user interfaces using HTML, CSS, and JavaScript.
- Supported the backend team in API integration and server-side logic using Python frameworks.
- Participated in collaborative development workflows and version control.

2022 (15 days) — **IT Support Intern**, *Presidency of Ibn Zohr University*
Provided technical support and assisted in software deployment and network troubleshooting.

Key Projects

2025 — **GastroEndoNet AI Classifier**, *Personal Project*

High-performance deep learning web application for gastrointestinal disease classification.
- Fine-tuned an **EfficientNet**-B3 model using TensorFlow, achieving **97% overall accuracy** on test data.
- Attained a near-perfect **0.9997 AUC** for Polyp detection across 4 distinct classes.
- Built a real-time web interface using **Flask** and **Tailwind CSS** for immediate image inference.
- **Repository:** `https://github.com/BR1WA/gastro-endo-net-ai`

2024 **ASL Alphabet Detection System**, *FS M1 Project*
Real-time computer vision system for American Sign Language recognition.
- Designed and deployed a dual-model architecture (CNN & Random Forest) to classify 26 ASL hand gestures.
- Achieved high accuracy inference on live video streams using OpenCV and MediaPipe for landmark detection.
- Managed large model weights (170MB+) using Git LFS for efficient version control and deployment.
- **Repository:** `https://github.com/BR1WA/asl-alphabet-detection`

2023 **InfinityScript.CV (Resume Builder)**, *ENS Tetouan Academic Project*
Collaborative full-stack web application for dynamic, multilingual resume creation.
- Engineered a robust backend API using **Laravel** and developed a responsive, user-friendly frontend with **React.js**.
- Implemented seamless multilingual support (English/Arabic) and integrated PDF generation for downloading polished resumes.
- Collaborated within a 3-person developer team, managing features like user customization for education, experience, and skills sections.
- **Repository:** `https://github.com/BR1WA/InfinityScript.CV`

Education

2024–Present **Master in AI and Data Science**, *Faculty of Sciences (FS)*, Meknes
Focusing on advanced machine learning, deep neural networks, software architecture, and big data analytics.

2023–2024 **Licence in Software and Web Development**, *École Normale Supérieure (ENS)*, Tetouan
Specialized in software engineering principles, database management, and backend architectures.

2021–2023 **BTS in Web Conception and Multimedia**, *Technical High School*
Gained proficiency in front-end design, user experience (UX), and multimedia content creation.

2020–2021 **Baccalauréat in Physical Sciences**
Strong foundation in mathematics and scientific methodology.

Soft Skills

- Problem Solving
- Adaptability
- Effective Communication
- Version Control (Git) Workflows
- Debugging
- Continuous Learning
- Teamwork

Languages

English Professional Proficiency
French Professional Proficiency
Arabic Native