

Yasser Baouzil

AI Engineer

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PROFILE

In 2023, I began the integrated two-year preparatory cycle at the College of Computing, Mohammed VI Polytechnic University (UM6P), which I successfully completed. I am currently enrolled in the engineering cycle. Passionate about artificial intelligence, cybersecurity, and software development. Curious, rigorous, and motivated by technical challenges.

WORK EXPERIENCE

International Federation of Red Cross and Red Crescent Societies (IFRC) *Intern* Summer 2025

Contributed to digital transformation efforts by developing automation tools for feedback processing and form simulation, bridging humanitarian operations with software solutions.

Mohammed VI Polytechnic University (UM6P) *Engineering Student* 2023 – Present

Currently pursuing a multidisciplinary engineering degree with a strong foundation in artificial intelligence, embedded systems, computer networks, cybersecurity, and algorithm design.

High School Diploma in Mathematical Sciences 2023

Completed a rigorous scientific curriculum focused on advanced mathematics, physics, and analytical reasoning, providing a strong foundation for engineering studies.

PROJECTS

ExaPub :

Built a responsive `Nuxt.js` site showcasing services like signage, large format printing, and visual identity design.

Fake Store :

Developed a simulated e-commerce site using a `public API` and `responsive UI` and `FireBase`.

Municipality-Douar Excel Cleaner & Mapper :

Developed a Python-based data cleaning tool using `openpyxl`, `pandas`, `difflib` and `sorting algorithms` to process Excel files containing local village data.

IFRC Feedback Form Auto-Filler :

Built a Tampermonkey-based JavaScript automation script to simulate randomized feedback entries on IFRC's KoboToolbox form.

Minimalist Cloud Infrastructure Simulator :

Built an object-oriented `C++` simulator of a cloud infrastructure platform using modern `C++17` features. Modeled servers, pods, and containers with polymorphism and smart pointers. Exported runtime metrics to SQLite and performed advanced analytics using `pandas` and `matplotlib` (heatmaps, resource usage). Integrated SQL queries for performance insights.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: Nuxt.js, Node.js (basic), Pandas, Matplotlib, OpenPyXL

Systems & Tools: Linux (user level), Git, GitHub

AI & Algorithms: Data Structures and Algorithms, Basics of AI Engineering (currently learning)

LANGUAGES

Arabic (Native), Tamazight (Native), French (Intermediate), English (Intermediate)