Mohamed SABR

Information Systems Engineering Student

Seeking a final-year (PFE) internship starting January 2027



linkedin.com/in/sabr-mohamed | github.com/msabr | sabrmohamed.netlify.app

mohamedsabr.officiel@gmail.com | +212 650 407 932 | Morocco

PROFILE

Third-year engineering student in MGSI (Information Systems Management and Governance) at ENSA Khouribga and student at 1337 (42 Network), combining academic rigor with project-based learning. I have gained hands-on internship experience in software development, computer vision and data analytics.

PROFESSIONAL EXPERIENCE

Software Engineering & Architecture Intern | Pestoff (Startup) *April 2026 – August 2026*

- Refactored a Flask/JS monolith (~6,200 lines) into a modular, maintainable and testable architecture.
- Built a Pytest suite ensuring zero regressions, with SQLite persistence and PDF generation (ReportLab).

Computer Vision & Automatic Detection Intern | OCP Group *June 2026 – August 2026*

- Fine-tuned and deployed YOLOv8 for automatic detection of PPE (personal protective equipment).
- Strengthened on-site safety compliance through automated, continuous monitoring.

Data Analytics & Business Intelligence Intern | OCP Group *July 2025 – August 2025*

- Designed interactive Power BI dashboards to track operational KPIs.
- Analyzed data with SQL/MySQL to support and speed up decision-making.

EDUCATION

Engineering Degree in Information Systems Management and Governance *Sept. 2024 – Present*
National School of Applied Sciences of Khouribga (ENSA Khouribga)

1337 Coding School *Sept. 2024 – Dec. 2026*
Khouribga Campus | 42 Network

Integrated Preparatory Cycle *Sept. 2022 – June 2024*
National School of Applied Sciences of Khouribga (ENSA Khouribga)

Baccalaureate in Experimental Sciences: Physical Sciences (BIOF) *Sept. 2021 – June 2022*
Anoual High School, Ouarzazate | Distinction (Très Bien)

ACADEMIC PROJECTS

Syndico: Property Management *2025 – 2026*
Full-stack application (Java Spring Boot, MySQL) for managing residential co-ownership properties, with a REST API and role-based authentication.

Titanic: Machine Learning *2025 – 2026*
Logistic regression model (Python, Scikit-learn) for survival prediction, with feature engineering and ROC/AUC evaluation.

Inception: Containerized Infrastructure *2025 – 2026*
Secure Docker infrastructure (Nginx, TLS, MariaDB) orchestrated with Docker Compose, with isolated networks and persistent volumes.

ft_irc: IRC Server *2025 – 2026*
IRC server in C++ handling multiple connections via poll(), channels and authentication, compliant with RFC 1459.

SKILLS

Programming & Scripting Languages: Java, Python, C, C++, Bash/Shell

Web Development & APIs: HTML5, CSS3, JavaScript, Spring Boot, Flask, REST APIs

Database Management Systems (DBMS): MySQL, PostgreSQL, SQLite

DevOps & Containerization: Docker, Docker Compose, Dockerfiles, Docker networks and volumes, Nginx, reverse proxy

CI/CD & Automation: Jenkins, GitHub Actions, Git, GitHub, build pipelines, automated testing

Systems & Network Administration: Linux (Ubuntu, Debian), SSH, TCP/IP, DNS, HTTP/HTTPS, firewalls, TLS/SSL

Data Analytics & BI: Power BI, DAX, NumPy, Pandas, data visualization

AI & Machine Learning: YOLOv8, PyTorch, Scikit-learn, supervised learning

IS Governance & Methods: TOGAF, MERISE, UML, Agile, IS architecture

LANGUAGES

Arabic: native **French:** fluent **English:** fluent

EXTRACURRICULAR ACTIVITIES

Head of Internships & Careers Division | MGSI Steering Committee *2026 – 2027*
Leading relations with partner companies and coordinating internship opportunities for the MGSI program.

Lifeguard & First Aider | Moroccan Red Crescent *2025 – 2026*
Certified in first aid; took part in field operations and preventive first-aid coverage.

Logistics Team Coordinator | Hult Prize ENSA Khouribga *2023 – 2024*
Coordinated logistics for a social entrepreneurship competition: resource management, planning and team support.

Active Member | JLM ENSA Khouribga *2022 – 2023*
Took part in club activities and contributed to the organization's initiatives.

INTERESTS

Chess and board games **Reading** **Sports**