

ETTALBI OMAR

Cloud & AI & Web Dev Enthusiast | Software Engineering Student @ ENSIAS

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🌐 ettomarett

in omar-ettalbi

EDUCATION

National School of Computer Science and System Analysis (ENSIAS)

Software Engineering

📅 2nd year. (Currently)

📍 Rabat, Morocco

CPGE Settat - Preparatory school

Technology and Sciences option

📅 Graduated in 2023

📍 Settat, Morocco

PROJECTS

Monolith to Microservices Migration Framework

A framework to migrate monolithic applications to microservices, featuring an AI agent developed with Google-ADK, Python, LLM, and MCP Tools, deployed using Docker and Kubernetes.

Tools : Python, Google-ADK, LLM (DeepSeek), MCP Tools, Docker, Kubernetes

Study Abroad Consultancy Platform

Development of a web application for a Study Abroad Consultancy.

Tools : Next JS, PostgreSQL, Rest API, Typescript, Docker, GitHub Actions (CI/CD)

Office Equipment Management Tool

Design and development of a web application that helps supervisors keep track of the office equipments and assure their maintenance.

Tools : React JS, Spring Boot, Rest API, Typescript, Docker, GitHub Actions (CI/CD)

News & Blogging website

Development of a website that showcases articles and news on a diverse range of topics.

Tools : WordPress, PHP, Javascript, Docker, GitHub Actions (CI/CD)

Data Analytics Project

Development of an automated solution using APIs to collect, process, and analyze data from different sources, and provide insights and recommendations for decision-making.

Tools : Python, Pandas, Google Analytics API, Taboola API, Docker, GitHub Actions (CI/CD)

Machine Learning Project

Development of an autonomous drone using Reinforcement Learning algorithms (PPO, Q-learning) to navigate and avoid obstacles in a simulated environment.

Tools : Unity 3D, Tensorflow, ML-Agents, C#

PROFESSIONAL EXPERIENCE

Internship at Raise Up Consulting

Full Stack Developer for 3 mois.

ABOUT ME

As a motivated software engineering student passionate about Cloud technologies and DevOps practices, I aim to apply my skills in real-world infrastructure challenges while continuously learning and contributing to impactful projects.

SKILLS

- **Programming languages:** Python, C, Java
- **Web development:** CMS (WordPress, Joomla), React JS, Next Js Spring Boot, PHP, HTML, CSS
- **Database:** MySQL, MongoDB, PostgreSQL
- **Version control:** Git - Github
- **Conception/Modeling methods:** UML, SysML
- **Design:** Adobe Photoshop, Adobe Illustrator, Canva, CapCut
- **DevOps and Automation:** Docker, Kubernetes, CI/CD
- **Cloud Computing :** Cloud architecture notions (IaaS, PaaS, SaaS), Linux/Unix administration
- **Sécurité :** Cybersecurity basics (Networks, firewall, SSH, VPN, ODay)

LANGUAGES

Arabic : Native
English : Fluent
French : Fluent

FREE-TIME INTEREST

Extracurricular Activities

- Executive founder of ENSIAS RADIO & @ensiasradiohq

Audio Processing

Embroidery