



Oussama MOUNAJJIM

ENGINEERING STUDENT

Engineering student passionate about technological innovation, I am looking for a six-month internship starting in March 2024. My skills in machine learning, databases, and development, as well as my experience in Android applications and websites, make me a versatile candidate. Active in associations, I trained at École Centrale Casablanca and École Centrale Lille, with passions for programming, teamwork, and constant improvement of my skills.

CONTACT DETAILS:

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SKILLS

- Programming languages: Kotlin, Java, C++, Python, JavaScript, PHP, HTML, CSS, SQL.
- Cloud Services: Amazon Web Services (AWS), Microsoft Azure.
- Development environments: Android Studio, Visual Studio.
- Web development: HTML5, CSS3, AJAX, RESTful API, jQuery.
- Software design and architecture: UML.
- Machine Learning: Keras, TensorFlow, scikit-learn.
- Databases: MySQL, PhpMyAdmin, Firebase.
- Development methodologies: Agile, Scrum, Waterfall, DevOps.

LANGUAGES :

- **French** | Level C1.
- **English** | Level B2.
- **Arabic** | Native language.

CERTIFICATES:

- [Google Project Management by Google](#)
- [Scrum Master By LearnQuest](#)
- [C++ Course Completed by Sololearn](#)
- [HTML Course Completed by Sololearn](#)
- [SQL Course Completed by Sololearn](#)
- [Microsoft Specialisation by Microsoft](#)

CENTER OF INTEREST :

- Python programming.
- Chess.
- Sports activities "Tennis, Bodybuilding, Ping Pong, Basketball, Arm wrestling".
- Photography & Videography..

DIPLOMAS AND QUALIFICATIONS :

- **September 2021 - today** | General engineering training at Ecole Centrale Casablanca.
- **Feb 2023 - Sept 2023** | Computer engineering training at Ecole Centrale Lille.
- **September 2019 - June 2021** | Two years of preparatory classes at the Errazi technical high school in El Jadida.
- **September 2018 - June 2019** | Baccalaureate Mathematics Sciences A. Honors at Mohammed 6 high school in Casablanca.

PROFESSIONAL EXPERIENCES AND ACHIEVEMENTS:

- **Development of an augmented reality Android application | Lille, July 2023.**
 - Development of the application with **Android Studio** using **Kotlin**, **Java** and **XML** languages.
 - Implemented **facial recognition**, **real-time translation** and **conversation summary** to improve interactions in forums.
- **Creation of a website to ensure communication between the user and their coach | Lille, June 2023.**
 - Website development using **HTML**, **CSS**, **JavaScript**, and **PHP**, while leveraging **Ajax** and **jQuery** libraries.
 - Integration of the **MySQL** database and use of the **PhpMyAdmin** server.
- **Building a Smart Environmental Monitoring System Based on IoT Network | CristalLab, Lille, February 2023 - June 2023.**
 - Setting up an **IoT** network using **ESP32** and integrating sensors using **C++** programming language.
 - Development of a **Machine Learning** model for anomaly detection.
- **Development of a Website for Student Life Digitalization | École Centrale Casablanca, January 2023.**
 - Development of a reservation website for various school spaces in collaboration with École Centrale Casablanca and Newrest.
 - Deployment of this project within École Centrale Casablanca.
- **Implementation of RPA (Robotic Process Automation) technology to automate repetitive tasks | CIMR Casablanca, December 2022.**
 - Creation of a robot using **RPA** technology and the **Python** programming language.
 - Deployment of this project within the **CIMR** company.
- **Internship in Cybersecurity and Development (Linux, HackTheBox) at 1337 | Khouribga, June 2022.**
 - Acquisition of skills in **cybersecurity**, **data analysis**, and **Windows application development**.
- **Scientific article on regional self-supervised segmentation of COVID-19 CT images | Casablanca, January 2022.**
 - Creation and evaluation of **TransGAN** and **TransUnet** models for image segmentation with the aim of detecting areas affected by **Covid-19**.
 - Used **Mosmed**, **Synapse** and **CIFAR-10** datasets to evaluate and compare the performance of **TransGAN** and **GAN** models.

ASSOCIATIVE COMMITMENTS:

- **Sept 2022 - July 2023:**
 - Team Leader delegated to the Coding & development department at Centrale Tech. [Workshops link](#)
 - IT and design manager at the student office & sports office.
- **Sept 2021 - July 2022:**
 - Active member at Centrale Tech.
- **Jan 2020 - Sept 2021:**
 - Active Member in the electronic journal AKHBAR ACHAAB.