

# Sayah Mahfoud Abd el Ali

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## PROFILE

I am Sayah Mahfoud Abdel Ali and I am a student pursuing a Master's degree in Computer Systems Engineering. Dedicated student with a keen interest in Backend Development and Data Science. Eager to learn and develop skills in these fields.

## PROFESSIONAL EXPERIENCE

### Xpertify Solutions

Remote

Backend Development Intern

November 2023 - Present

- Utilized **Django Rest Framework** and **PostgreSQL**, leveraging **Docker** and cloud solutions for efficient media file management.
- Engineered efficient database structures to enhance performance.
- Developed well-documented APIs adhering to industry standards.
- Collaborated on diverse projects, delivering tailored solutions to meet client needs.
- Demonstrated a steadfast commitment to quality-focused development.

### Ooredoo Algérie

Oran, Dz

IP Networking Intern

September 2023 - October 2023

- Gained hands-on experience in **LAN and WAN networks**, IP operations, and WAN/MPLS infrastructure.
- Developed **network automation tool** with Python and PyQt, reducing manual configuration time by 50% for Cisco equipment.
- Acquired practical experience with **Packet Tracer**, covering a wide range of networking essentials.

## PROJECTS

### Furniture Ecommerce Website (pluridisciplinary project)

January 2023 - June 2023

Project Manager & Backend Developer

- **Led a team** to develop a user-friendly Ecommerce website for physical furniture stores.
- Utilized **Django Rest Framework, React, and Postgres**, hosted on **Railway**.
- Implemented **Swagger documentation, Git** for effective collaboration, and **Agile SCRUM methodologies**.
- Achieved seamless user and staff management, product management, and payment processing using **Chargily payment gateway** integrated with **EDAHABIA**.
- Developed robust authentication and security measures using **JWT**.

### School Management Saas

January 2024 - March 2024

Backend Developer

- Engineered a comprehensive solution facilitating effective management of schools, classrooms, staff, and student groups.
- Designed and implemented lectures management functionality, enabling automated **notifications** to parents for student absences.
- Integrated **Cloudinary Cloud Storage** for efficient media file storage and management.
- Ensured compliance with industry standards and best practices.

### Online Learning & Assignment Management

Mars 2023 - April 2023

- Implemented **secure user authentication** and a **user-friendly registration process**.
- Streamlined student, teacher, and course management.
- Utilized **Django, HTML5, CSS, PostgreSQL, and Jinja**.
- Highly scalable and customizable for specific educational needs.

## ACHIEVEMENTS & CERTIFICATES

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### Certificates

- Google Cloud Computing Foundations | Google Cloud skill boost
- CS50ai : Introduction to Artificial Intelligence with Python | Harvard University
- CS50X: Introduction to Computer Science | Harvard University
- Understanding Cloud Computing | DataCamp
- Python Made Easy for Beginners | Small Basis Rune Thomson

### Competitions & Achievements

- 2nd Place DevFest Hackathon | Google Developer Groups Sba | Nov 2023
- 3rd Place AlphaCTF | Alphabit Club | Feb 2023
- 3rd Place DevFest Hackathon | Google Developer Groups Sba | Nov 2021
- 5th Place IngeHack CTF | Ingeniums Club | 14/10/2020
- 7th Place Bsides CTF | Shellmates Club | May 2023

## EDUCATION

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**Higher School of Computer Science Sidi-Bel Abbes**

*3rd year secondary cycle (Computer Systems Engineering)*

**Sidi Bel Abbes, DZ**

*2020 - Present*

**Relevant Courses Completed :** Databases (SQL, noSQL ,PL Sql, ETL, PowerBi) ,Networks (Routing & switching, IPv6, Qos),Introduction to Software Engineering ,Advanced Operating System, Project Management, Embedded systems, Knowledge Engineering, Analysis and design of advanced algorithms,Web Languages and Tools.