MERAD AYMEN EL HADI
Python Developer

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Resume

Python Developer with extensive experience in building robust applications and scalable systems. Skilled in Python scripting, API development using Flask and FastAPI, and database design with MySQL and PostgreSQL. Experienced in developing tools for automation, data processing, and application integration.

Work Experience

Application Development Teacher | I.E.P Sétif | 2024-Present
- Teach database management, mobile app development, and cross-platform mobile app development.
- Conduct programming fundamentals revision sessions to reinforce students' understanding.
- Guide students in practical exercises to build foundational technical skills.

Co-Founder Futurify | 2024-Present
- Led the development of innovative SaaS solutions and improved existing market products.
- Developed scalable backend services using Python and FastAPI, and contributed to frontend development with React.

Projects

Final Study Project: Monitoring of scientific and educational productions of the LRSD faculty laboratory
- Developed a full-stack web application for managing university pedagogical and scientific production.
- Implemented separate dashboards for administrators and teachers, providing functionality for effective management and oversight.
- Created an astatistics page for administrators to view and analyze data.
- Integrated user authentication and profile management for teachers, ensuring secure and personalized access to the system.

Futurify: Shop Manager Backend Development
- Developing the backend of a shop management system using FastAPI and PostgreSQL
- Building APIs to support both a React web frontend and a Flutter mobile app, ensuring seamless integration and performance across platforms.

CS50XFinal Project: Workout Tracker
- Developed a web application for managing workouts, allowing users to track and organize their fitness routines.
- Used Flask, HTMX, Bootstrap.

Python-Markdown: Markdown to HTML converter
- Developed a Python package named `python-markdown` for converting Markdown files to HTML str.
- Documented the package and provided usage examples to facilitate easy integration for other developers.

Summary Generator: Python Automatic Text Summary Generator
- Developed the CLI, file input/output handling, and TextRank implementation for a text summarization application.
- Enabled customizable summary length and language options, ensuring a user-friendly experience.

Telegram-bot: AymenDevBot
- Create a telegram bot to display my resume, projects, skills, and social profiles.
- Developed with Python and the Telegram API.

Education

UNIVERSITY SÉTIF 1 FERHAT ABBAS Alger Sétif
- Bachelor's degree in Computer Science | Graduation Date: Jul 2024
- Master in Data Engineering and Web Technology | Graduation Date: Jul 2026

Certificate

Harvard University Remote
- CS50's Introduction to Computer Science | Graduation Date: Jul 2024
- CS50's Introduction to Programming with Python | Graduation Date: March 2024

Skills

Programming Languages:
- Python, JavaScript, C, Java, Go, HTML & CSS

Frameworks:
- Django, FastAPI, Flask, Node.js

Databases:
- MySQL, PostgreSQL, SQLite, SQL

Languages:
- Arabic, English, French