




# YAHYA ABAD

Tetouan

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## SUMMARY

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Proficient software engineer student with hands-on experience in C++, Python, and Django. Built robust applications like an IRC server, minishell, and URL shortener. Skilled in Docker and optimizing real-time messaging and data processing. Eager to leverage technical expertise to develop innovative solutions as a Software Engineer.

## EDUCATION

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### USMBA university

- Sep 2016

*Completed 2 years of coursework*

*Fes*

Operating systems, Linear Algebra, Basic Algorithms, C/C++ Programming, Network Programming.

### 1337 Coding school

- Sep 2022

*Common Core*

*Tetouan*

Operating systems, Algorithms and Data Structures, Graphics, Low level programming, Network programming, OOP, Web Programming.

## PROJECTS

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### Minishell

- Aug 2023

- Collaboratively developed a command-line minishell in C
- Utilizing Abstract Syntax Tree (AST) and recursion for comprehensive command parsing and execution

### Inception

- Sep 2023

- Implemented inception project focusing on system administration and virtualization techniques using Docker and Docker-Compose

### ft\_irc

- Jan 2024

- Created a robust IRC server in C++
- Employing socket programming for network communication
- Implemented essential IRC protocols for seamless interaction with IRC clients
- Utilized short polling technique to efficiently manage concurrent client connections and real-time messaging

### Url Shortener

- May 2024

- Django-based URL shortener with user authentication and registration
- Tracks URL views and displays statistics using Chart.js
- Fetches metadata (title, description, favicon) for shortened URLs

## WORK EXPERIENCE

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### Customer Service Representative

Nov 2018 - Jun 2022

*Webhelp/Tersea/Yeswebook*

*Fes*

- Resolved customer issues by anticipating problems and providing effective communication, resulting in increased customer satisfaction

### Individual Project

Feb 2024 - Present

*Deciphering Incurable Pathologies (Python)*

*Tetouan*

- Improved data retrieval and manipulation functionalities using REST APIs and object-oriented programming principles, resulting in more efficient data handling
- Implemented multi-threading techniques to optimize data processing, achieving a 6x increase in speed

## SKILLS

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- C/C++, Python, Javascript, Multithreading, Django, Ruby on Rails, Docker, OOP, Git, Rest APIs, PostgreSQL, HTTP, HTTP2, Parallel Programming