

NABIL AADOU

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Education

Bachelor's Degree in Economics

University of moulay ismail, Meknes

oct. 2020 - jul. 2023

Diploma in Digital Technology Architecture

University of mohammed vi polytechnic, 1337, Benguerir

aug. 2023 - present

Projects

WebServ

- Developed an HTTP server in C++ based on the HTTP RFC documentation. This ensured a precise and accurate implementation of the protocol's core concepts.
- I implemented multiplexing using epoll for a better performance, this allows the server to handle multiple requests simultaneously.
- Built a request parser with character-by-character validation to eliminate security loopholes. Addressed issues with handling binary data in POST requests (e.g., file uploads) by developing a custom string class for safe buffer management and length-based processing.

Experiences

Explorer Program Participant, UM6P

I participated in the UM6P Explorer Program, a 4-month mentorship and guidance initiative, where I worked on refining my innovative startup idea. During this period, I received expert support in business planning, product development, and market validation.

CodinGame Winterfall Challenge

A 17 day AI-based coding competition where I ranked 171st worldwide out of 4000+ participants, with a peak rank of 39th, Used a variant of the Minimax algorithm as the core of my solution, optimizing my code to meet the game's performance requirements.

Skills

Languages: C/C++, Python, JavaScript, HTML/CSS

Developer Tools: Git, Docker

Communication schemes and protocols: TCP/IP, UNIX Sockets, HTTP