

MOHAMED MIHAMMI

+212 646167729 · mmim22138@gmail.com ·
Khouribga, MOROCCO

ABOUT ME

Passionate web developer specializing in creating innovative and high-performance websites and web applications.

School project

surprise

Development of an interactive website for an online ping-pong game. The project uses the React framework for the front end, providing a dynamic and responsive interface, and the Django framework for the back end, ensuring robust data management. MySQL is used for the database, and Docker enables containerized deployment. The game is developed using JavaScript, HTML, and CSS, delivering a smooth and immersive experience with features such as real-time scoring and optimized animations.

one container is not enough

I created a website using Docker to virtualize the infrastructure. The project integrates Nginx as the server, WordPress as the content management system, and MariaDB as the database, providing a high-performance and scalable solution.

Internet Relay Chat (IRC)

I designed a communication system based on the Internet Relay Chat (IRC) protocol using C++, with support for the File Transfer Protocol (FTP) and User Datagram Protocol (UDP). The project enables real-time text messaging, including direct exchanges, public and private group channels, and server interconnection to form a distributed network.

should I have a conversation with a machine

I developed a custom shell using the C language, working with structures such as linked lists, pointers, and dynamic memory allocation. This project allowed me to gain a deeper understanding of processes and file descriptors. The shell interacts with the user through a prompt to execute commands such as echo, cd, exit, pwd, export, unset, and env. For other commands, I used the execve function to execute them after parsing user input and processing arguments. Additionally, I integrated pipes (PIPE) to enable inter-process communication.

Education & Certifications

Certificate	Oct 2022 - Present
Certificate of Architect in Digital Technologies	
1337 Coding School, KHOURIBGA	

Skills

Web Development – Proficient in front-end technologies (HTML, CSS, JavaScript, React) and back-end technologies (Django).

Frameworks and Libraries – Proficient in frameworks like React and Django, as well as graphic libraries for developing visual applications.

Problem Solving – Ability to identify and effectively resolve technical challenges and optimize system performance.

Teamwork – Collaboration with multidisciplinary teams to successfully complete complex projects.

Programming in Python and C++ – Experience in object-oriented software development and process management with Python and C++.