Outman Elbouhali

Phone Number: +212639316995

Gmail: outmanelbouhali5@gmail.conm

Subject: Application for Web Development & Thermal Simulation Internship

Dear Hiring Manager,

I am writing to express my interest in the **Web Development & Thermal Simulation** internship at **Green Energy Park**. I am pursuing my studies in **software engineering at UM6P—1337 Coding School.** I am passionate about **full-stack development, data visualization, and high-performance applications**. This internship presents a unique opportunity for me to apply my skills to a project at the intersection of **web development and scientific simulation**.

Through my academic and personal projects, I have gained extensive experience in **React.js, Python/Django, and Flutter**. I have also developed a **high-performance HTTP server in C++**, improving request handling efficiency by **50%** and ensuring **99.9% uptime**. This experience has strengthened my ability to optimize performance, manage complex data exchanges, and create interactive applications.

In your project, I can contribute in the following key areas:
✔ **Backend development with Python/Django**, integrating the simulation engine and managing data exchange.
✔ **Building an interactive React.js interface**, allowing users to modify simulation parameters and visualize results dynamically.
✔ **Application deployment and server setup**, using **Docker and local hosting solutions**.

I am also eager to **enhance my skills in 3D visualization (Three.js) and interactive data representation (Plotly.js)** to ensure an engaging and efficient user experience.

I would welcome the opportunity to discuss how my skills align with your project and how I can contribute effectively to your team. Please find my resume attached for further details. Looking forward to your response.

Best regards,
Outman Elbouhali