

# Hazem Mahmoud

## Frontend Developer

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## Skills


ReactJS | JavaScript | Material UI | Tailwind | Bootstrap | NextJS | TypeScript | Git

## MAIN PROJECTS

### Registration by Face

React js / JS / HTML / CSS / Vite

10 February 2025 , 25 February 2025

 Live Project: <https://illustrious-melomakarona-3220cf.netlify.app>

#### Student Registration & Attendance System:-

This website is designed to register students, manage attendance, and track departure times efficiently.

#### Technical skills:-

- Used state management such as **useState** and **useContext** to path the date between the components.
- Used the **useEffect** to handle render the page When submitting the form and with requests and responses to and from the backend ,and control on open and close the camera.
- Used **faceapi** library to face detection the face from the camera , and used **useCallback** to prevent delays in other components when open the camera .
- Use **useRef** to draw the points and box around the face.

## WORK FLOW

- Using versions control:Using git to improve team handling and ease of access and modification.
- Performance & optimisation: Write the clean code, i'm using state management such as **useState,useReducer , Context API,Redux ,React query** and using **react-router**.
- and use **useCallback ,useMemo** to handle the fast active.

## EDUCATION

I am a student in the third grade university, studying at the **Higher Institute of Science and Technology in Kafr El-Sheikh**, Department of Computer Science.

### Worldwise-app

React js / JS / HTML / CSS / Vite

November 2024,December 2024

 Live Project: <https://github.com/Hazem12012/Worldwise-App>

#### Visited Location app:-

This site helps travelers around the world to register their places of transportation and record personal experiences everywhere by determining the locations visited and the current location. It is easy to access all the details in trips and visits.

#### Technical skills:-

- This app basically runs on a **react-router-dom** to navigate between pages and components.
- I used a **fake API** interface to fetch data.
- I used the map from **react-leaflet library**.
- used state management, **useContext** to path the data to all elements and **useReducer** to control all type of stats.
- Create **custom hooks** to reusability such as **useGeoLocation , useURLPosition** used in get used in get the data from URL.

## NASA\_APP

React js / JS / HTML / CSS

March 2024, April 2024

 Live Project: <https://lambent-kheer-29f694.netlify.app/>

### *Environment Simulation app :-*

This site is to simulate the environment in terms of sources of pollution and the effects of this on the environment .

### **Technical skills:-**

- This application works mainly on the **react-router-dom** application.
- used the hooks **useState** and functions to do this game to calculate the average value for each source.
- Creating an attractive interface with animation by using **@keyframes**.

(This site is one of the top five projects in **NASA-SPACE 2024 Challenge**.)

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## CERTIFICATION&COURSES

- Udemy: reactJS development.
- Frontend basics : HTML CSS JS.

## Educational\_Website

HTML / CSS / JS / Bootstrap

November 2023, December 2023

 Live Demo: <https://warm-pony-69a838.netlify.app/>

### *Demo Educational App-*

This site is an imaginary shape for a simple educational site created to train in programming interactive sites and using the appropriate formats.

- Used **bootstrap** on divide the elements in the page and give some colors and dimensions.
- Used some **JS** to animation and some logical events.
- import fonts and icons from library such as **google fonts & FontAwesome**.
- responsive design and cross-browser compatibility.