Mahmoud Mosaad Lapip

Giza, Egypt, Tel: 01125599618 (Mobile)

Email: Mahmoud.mossad45@gmail.com

Born: 29-07-1999

Relationship Status: Single

ABOUT ME

Motivated and detail-oriented Junior Front End Developer with a strong focus on React.js. Experienced in developing responsive and dynamic web applications, translating design wireframes into high-quality code, and optimizing user experience. Eager to contribute to a collaborative team and grow within a fast-paced development environment.

EDUCATION

Bachelor's degree in communication engineering, Modern Academy for Engineering and Technology, Spring 2022 (C+)

COURSES

Embedded System Diploma

Intensive coursework covering a wide array of topics, **including**:

- **C Programming Language, Data Structures, and Algorithms.**
- **Microcontroller Interfacing:**
  - Development of drivers for peripherals, including DIO, timers, EEPROM, interrupts, ADC, USART, SPI, and I2C.l
  - Hands-on experience with interfacing various hardware components such as LEDs, seven-segment displays, push buttons, keypad, LCDs, DC motors, and temperature sensors.

Full Stack Web Development Diploma (February 2024 – October 2024)

Association of Management and Information Technology (AMIT)

- **Front-end technologies** (HTML, CSS, JavaScript, TypeScript, React.js, Bootstrap, Tailwind CSS)
- **Projects:** Developed E-Commerce website using React.js
  - **Product Display:** Implemented dynamic rendering of product details, including images, descriptions, prices, and availability. Utilized React component-based architecture to create reusable UI components like product cards, image galleries, and price tags.
  - **Shopping Cart:** Integrated a simple shopping cart functionality that allows users to add and remove items. The cart state was managed using React useState and useContext hooks, enabling a persistent cart experience across different components.
  - **Responsive Design:** Used CSS Grid and Flexbox to ensure the page was fully responsive, providing an optimal viewing experience on desktop, tablet, and mobile devices.
  - **API Integration:** Integrated a mock RESTful API using Axios to fetch product data dynamically Ensured that the application could handle loading states and display appropriate messages if the API request failed.

GRADUATION PROJECT

Remote Home Security System - Grade A:

- Task 1 (Temperature Control): in this task the temperature is measured using LM035 sensor, and controlled using two fans, the fans are operating using PWM signals depending on the analog signals from the sensor.

- Task 2 (Outdoor Illumination System): In this system, the illumination level is measured using LDR, a specified LED turns on if the LDR reading indicates it's dark outside.

- Task 3 (Real Time Clock): the microcontroller is connected to Real Time Clock (DS1307) using I2C protocol to determine the current time and data.

- Task 4 (Displaying Data): in this task an LCD is used to show the data of the previous tasks.

- Task 5 (Flutter App): Created a flutter app for remote control

TECHNICAL SKILLS

Programming languages: C, JavaScript.

Software Skills: Visual Studio, MS Office Photoshop, Premiere.

Languages: Arabic (**Native Language**), English (**B2**).

Soft Skills: Problem-solving, Collaboration, Attention to detail, Time management.

Passion: Design, Music, Football, Video Games, Traveling.

CONTACT

Email: Mahmoud.mossad45@gmail.com

Phone: +201125599618

Address: Hadayek elahram, Giza, Egypt.

LinkedIn: linkedin.com/in/mahmoud-mosaad-037aa3244

GitHub: https://github.com/MahmoudMosaadlapip