

MARWAN ATEF

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Frontend Web Developer with experience in **React, JavaScript, HTML, and CSS**, focused on building responsive and user-friendly applications. Computer Engineering background with strong problem-solving skills and a passion for delivering high-quality solutions.

SKILLS

Frontend Skills

- **Markup & Styling:** HTML5, CSS3, Sass, Bootstrap, Tailwind CSS, Material-UI, Responsive Design, Flexbox, Grid, UI/UX Principles
- **JavaScript:** ES6+, DOM Manipulation, Event Handling, JSON, API Integration, Asynchronous JS (Promises, async/await)
- **Frameworks & Libraries:** React.js, Redux, React Router, Next.js, Axios, Styled-Components, Framer Motion (for animations)
- **Tools & Practices:** Git/GitHub, Postman for API testing, Debugging, Browser DevTools, Component-based architecture, Form Validation, SPA development, Frontend Performance Optimization

Embedded / Backend Skills

- **C, C++ programming**
- **AVR Microcontrollers (Atmega32, ATmega128, 8051)**
- **Peripheral Interfacing:** DIO, ADC, Timers
- **Communication Protocols:** UART, I2C, LIN

Tools & Software

- **VS Code, Microchip Studio, Proteus, Code::Blocks.**
 - **Linux OS**
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EDUCATION

Bachelor of Engineering, Computer major | Suez Canal University in Ismailia
2018 - 2023
GPA – 2.93 Very Good (B-)

- Relevant coursework: Embedded Systems, Data Structures, Microcontrollers
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GRADUATION PROJECT

Brain-Controlled Wheelchair using EEG – Grade: A+

- Developed a **smart wheelchair controlled by human brain signals** using **EEG system** and microcontroller programming (C/C++)
- Implemented **real-time EEG signal processing** to detect user intentions for movement
- Interfaced **hardware components**, including motors and sensors, to translate signals into wheelchair motion
- Integrated a complete **hardware-software system** for enhanced mobility assistance

PROJECTS / EXPERIENCE

Frontend Development Projects | Self-Directed

2024 – 2025

- **HTML_CSS_Template_1 & HTML_CSS_Template_2** – Designed responsive website templates using **HTML and CSS**, focusing on layout and typography
- **HTML_CSS_Template_3_Bootstrap** – Developed a responsive web template using **Bootstrap framework**
- **Simple-Calculator-with-JS** – Created a fully functional calculator using **JavaScript DOM manipulation**
- **Hangman-Word-Game-with-JS** – Developed a Hangman game with **JavaScript logic and event handling**
- **Islamic-Prayer-Times** – Built a responsive web app displaying daily prayer times using **API and JS**
- **Social-Media-Web-Application** – Designed a mock social media interface using **HTML, CSS, and JavaScript**, implementing posts, comments, and basic UI interactions
- **Todo List Web Application** – Developed a **Todo List app using React.js, Redux, and Material-UI**. Implemented add, edit, delete, and filter tasks with global state management and local storage persistence

Embedded Systems Projects | Self-Directed

2021 – 2023

- **Clock and Alarm System** – Developed with 8051 microcontroller, C programming, keypad, and LCD
- **On-demand Traffic Light Control** – Implemented using Atmega32 microcontroller and C programming
- **Car Control System (360°)** – Controlled via analog controller using Atmega32 microcontroller and C

Frontend Training | Self-Directed

2024 – 2025

- **Elzero Web School (Online)** Completed courses in **HTML, CSS, Bootstrap, and JavaScript**, focusing on responsive design and modern frontend development practices.
- **Tarmeez Academy (Online)** Advanced courses in **JavaScript and React.js**, covering modern frontend frameworks, state management, and interactive web applications

Embedded Training

2021 – 2023

- **Embedded Systems Professional Nanodegree** — Developed microcontroller drivers, layered architecture, and real-time applications
- **ITI Cloud Architecture Specialist (1-month training)** Hands-on experience with Linux and cloud infrastructure

LANGUAGES

- **Arabic:** Native
- **English:** Upper-Intermediate (B2)

MILITARY SERVICE

Fulfilled – Completed on 01/12/2024