

# Muhammad Alaa

Electrical Engineer | Front-End Web Developer

A motivated person who is willing to go above and beyond on any project and to learn valuable skills on my own time.



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## EDUCATION

### Electrical Engineering

Faculty of Engineering Alexandria University

06/2016 - 06/2022

Alexandria, Egypt

Department

- Communication and Electronic Department

## PROJECTS

Single page Portfolio (Muhammad Alaa)  
(06/2024 - Present)

- Building a single page web application which is my portfolio to show my ability to use the skills mentioned in the CV
- Deployed on GitHub pages and Netlify
- <https://muhammalaa84.netlify.app/>
- <https://github.com/muhammalaa20/Muhammad-Alaa>

Weather web application (09/2023 - Present)

- A responsive weather web app using openweathermap free api and showing the weather for some of the most famous cities around the world.
- <https://github.com/muhammalaa20/newWeatherApp>

Responsive NFT site (06/2024 - 06/2024)

- A responsive NFT site for all screens
- <https://github.com/muhammalaa20/NftProject>

Load Management (Graduation Project)  
(11/2021 - 07/2022)

- We consider the problem of mobility load management (balancing) in cellular LTE networks.
- "Mobility Load Management in Cellular Networks: A Deep Reinforcement Learning Approach": We propose a comprehensive deep reinforcement learning (RL) framework for steering the cell individual offset (CIO) of every pair of cells.
- Optimized Power and Cell Individual Offset for Cellular Load Balancing via Reinforcement Learning": In this work, we propose a joint power levels and CIOs optimization using reinforcement learning (RL).

## SKILLS

Html5

Css3

Bootstrap

Tailwind

ReactJs

npm

JavaScript

Figma

Sass

Git

Github

Microsoft office

## CERTIFICATES

Professional Front-End web developer (Udacity)  
(08/2022 - 09/2022)

CSS, Website Layout, Website Components. JavaScript & the DOM. Web APIs and Asynchronous Applications. Build Tools and Single Page Web Apps.

Web Development challenger track (Udacity)  
(07/2022 - 07/2022)

The web and Html. styling with CSS. vs code and JavaScript.

Programming with JavaScript (Meta)  
(08/2022 - 08/2022)

Creating simple JavaScript codes. Creating and manipulating objects and arrays. Writing unit tests using Jest.

Version Control (Meta) (08/2022 - 08/2022)

Implement Version Control systems. Navigate and configure using the command line. Use a GitHub repository. Manage code revisions.

## LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

Spanish

Limited Working Proficiency

## MILITARY STATUE

completed