

# Mohamed Hamdy *Front-End Developer*

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🔗 My Portfolio

## Summary

Dynamic and ambitious computer science graduate passionate about Front-End development. Achieved academic excellence with a strong GPA (3.53). Demonstrated leadership as a teamleader with excellent communication skills. Engaged in volunteering experiences, showcasing commitment to community involvement. Seeking to apply technical expertise and leadership abilities to drive innovation and success in a challenging role.

## Education

2018 – 2022

### Bachelor of Computer Science

Cairo, Egypt

*Computers and AI, Helwan University*

- Cumulative Grade: Excellent. (GPA: 3.53 /4.0)
- Graduation Project: COVID-19 Detection
  - How to detect COVID from (X-ray and CT scans) Using deep learning algorithms. and create a website to help patients take care of their health. my role In the project was the front end of all the website and Machine Learning Models.
- Project Grade: Excellent ( A+ )

## Experience

08/2022 – 10/2022

### Oracle Java Programming Internship

Cairo, Egypt

*Next Academy*

Remote Internship about full-stack development with Java, Oracle DB, Html, and Css

## Technical Skills

### Front-End Tech

React.js, Next.js, TypeScript, TailwindCSS, HTML, CSS, JavaScript, React-Router, Redux/toolkit, MUI, FramerMotion

### Back-End Tech

.Net, MVC, WebAPI, Microsoft SQL Server, MySQL, Oracle DB

### Concepts

OOP Analysis and Design, Algorithms and Data Structures, SOLID Principles.

### Programming languages

JavaScript, C, C++, Java, C#, Python, PHP

## Projects

### The School Dashboard [🔗](#)

A Next.js application designed for schools to manage students, teachers, parents, and staff. The system features role-based access, real-time statistics, and event management, offering a complete solution for school administration. Built with a focus on responsive UI and modern form validation.

- **Role-Based Access** – Separate dashboards for Admin, Teacher, Student, and Parent.
- **Real-Time Statistics** – Overview of students, teachers, parents, and staff with dynamic updates.
- **Calendar & Events Management** – Display upcoming events and announcements.
- **Form Handling & Validation** – Implemented using React Hook Form and Zod.
- **Responsive Design** – Tailored for all devices using TailwindCSS.
- **Context Management** – Centralized state with React Context API.
- **Routing & Navigation** – Built with Next.js App Router for a smooth user experience.

Using Next.js, TypeScript, TailwindCSS, React Hook Form, Zod

### Amazon clone

A fully responsive e-commerce application modeled after Amazon, offering product browsing, category filtering, and secure user authentication. Users and cart data are managed via global state using Redux Toolkit.

- **Dynamic Routing** for category-specific product filtering
- **Firebase Authentication** with user state tracking
- **Global Cart & User State** via Redux Toolkit
- **Lazy-loaded Images** for performance optimization

Using React, Redux Toolkit, Firebase Auth, React Router, TypeScript

### MCDB:

Movie browsing platform allows users to explore trending movies and view detailed information (ratings, release dates, overviews)

- Fetches real-time movie data via TMDb API
- Responsive design
- Efficient state management with React hooks

Using React, framer-motion, TMDb API, React Router

### OCE

Online code editor that enables users to write, edit, and execute HTML, CSS, and JavaScript in real-time. The application provides a seamless coding experience with auto-completion, syntax highlighting, and local storage support, making it a great tool for practicing and testing frontend development.

- **Live Code Preview** – Automatically updates output as the user types.
- **HTML, CSS, JavaScript Support** – Write and test frontend code in one place.
- **Local Storage Persistence** – Saves code between sessions.
- **Auto-Completion & Syntax Highlighting** – Powered by **CodeMirror**.
- **Collapsible Code Editors** – Expand or collapse individual editors for a better experience.
- **Reset Functionality** – Clear stored code and start fresh with a single click.

Using React, Material UI, CodeMirror

### MUI DashBoard:

Admin dashboard designed for data visualization and management. The dashboard includes interactive charts, a data grid, a calendar, and a sidebar navigation menu, providing a clean and modern UI for efficient data tracking.

- **Dynamic Data Grid** for structured data representation
- **Interactive Charts** using Nivo for visual analytics
- **Sidebar Navigation** for seamless user experience
- **FullCalendar Integration** for scheduling and event tracking

Using React, Material UI, Nivo Charts, FullCalendar, React Router

### TheShop:

Responsive E-commerce platform , featuring product listings, cart management, and a seamless shopping experience. The application focuses on user-friendly navigation, real-time product updates, and dynamic UI interactions.

- **Product Display** with clean UI and detailed information
- **Cart Functionality** – Add, remove, and manage items dynamically
- **Responsive Design** for a mobile-friendly experience
- **State Management** with React hooks for smooth interactions

Using React, React Router, fakestoreAPI

### coffee Shop:

Responsive coffee shop website providing a smooth and engaging user experience. The application features a visually appealing layout, a dynamic menu display, and a user-friendly interface.

- **Attractive UI & Responsive Design**
- **Dynamic Menu Section** showcasing coffee selections
- **Optimized Performance** for a fast and seamless experience

Using React and CSS

## Assembly:

### End Game

Responsive and dynamic word guessing game designed to provide an engaging user experience with interactive UI elements and structured data presentation.

- **Modern UI & Responsive Design**
- **Dynamic Data Handling** with React state management

Using React and CSS

## CV Application

Responsive web application enabling users to create, customize, and download professional resumes. The application offers an intuitive interface for inputting personal and professional information, dynamically generating a formatted CV.

- **User-Friendly Form:** Collects essential details such as personal information, education, experience, and skills.
- **Real-Time Preview:** Displays a live preview of the CV as users input their data, ensuring accuracy and satisfaction.
- **PDF Export:** Allows users to download their completed CVs in PDF format for easy sharing and printing.
- **Responsive Design:** Ensures optimal viewing and interaction across various devices, including desktops, tablets, and smartphones.

Using React and CSS

## Ben 10:

Interactive memory card game where players must click on unique cards without repeating selections. This project enhances state management, event handling, and UI interactivity

- **Dynamic Card Shuffling** – Cards shuffle after every selection to increase difficulty
- **Score Tracking** – Keeps track of current and best scores to encourage replayability
- **React State Management** – Uses useState and useEffect for game logic
- **Engaging UI** – Styled with CSS for a visually appealing experience
- **Responsive Design** – Ensures smooth gameplay across different screen sizes

Using React and CSS

## Odin DashBoard:

Dashboard utilizing HTML and CSS, focusing on implementing CSS Grid for complex layouts. This project was inspired by The Odin Project's curriculum, aiming to enhance proficiency in modern CSS techniques.

- **Structured Layout:** Implemented a multi-section dashboard, including navigation menus, user profiles, project overviews, announcements, and trending sections.
- **Responsive Design:** Ensured compatibility across various devices, providing an optimal user experience on desktops, tablets, and mobile devices.
- **CSS Grid Implementation:** Leveraged CSS Grid to create flexible and efficient layouts, simplifying the arrangement of complex components.

Using HTML, and CSS