Mohamed Hamdy *Front-End Developer*

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🔗 My Portfolio

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🪪 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 Cairo, Egypt	**Bachelor of Computer Science** *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

07/2025 – present Cairo, Egypt	**AI & Coding Instructor** *ISchool* • Teach students (ages 7–16) the fundamentals of programming, problem-solving, and AI concepts. • Develop and deliver interactive lessons on **Python, Scratch, and AI basics**, simplifying complex concepts for young learners. • Guided students through building small projects, encouraging creativity and critical thinking.
08/2022 – 10/2022 Cairo, Egypt	**Oracle Java Programming Internship** *Next Academy* • Completed full-stack development training with **Java, Oracle DB, HTML, and CSS**. • Gained practical experience in **database design, server-side logic, and frontend integration**. • Collaborated with peers to solve programming challenges and improve teamwork skills.

🧠 Technical Skills

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

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

Back-End Tech
.Net, MVC, WebAPI, Microsoft SQL Server, MySQL, Orcale DB

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

📁 Projects

Zentry Clone
A clone recreated an award-winning website landing page focused on **immersive animations and interactive user experience**.
- Built smooth **scroll-driven and video-based animations** for an engaging UI
- Designed and implemented **reusable components** for scalability and maintainability
- Learned and applied advanced animation techniques **using GSAP**

Using React, TailwindCSS, GSAP, and react-icons

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.
- **Role-Based Access** – Separate dashboards for Admin, Teacher, Student, and Parent.
- **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.
- **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.
- **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, and TMDb API

OCE ⧉
An 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, 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**.
- **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 provides 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, and fakestoreAPI

coffee Shop ⧉

Responsive coffee shop website providing a smooth 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

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.

Using React and CSS

To Do List ⧉

Task management application allowing users to add, delete, and mark tasks as completed. This project enhances state management, user interaction.

- **Task Creation & Management** – Users can add, and remove tasks dynamically
- **Task Completion Toggle** – Mark tasks as completed with a single click
- **Local Storage Management** – Uses local storage for managing tasks efficiently

Using HTML, CSS, JS, Webpack