

# Mahmoud Mostafa Mamdouh

[E-mail](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | +201096212491

## SUMMARY

Frontend Developer with 1+ year of professional experience building scalable, production-ready web applications using the modern React ecosystem. Specialized in React.js, Redux Toolkit, React Query, and TypeScript with a strong focus on performance optimization, reusable component architecture, and clean code practices. Proven ability to collaborate in remote, cross-functional teams and deliver high-quality single-page applications.

## EXPERIENCE

### Junior Front-End Developer | Lothgha | Remote | August 2024 - November 2024

- Developed an admin dashboard managing CRUD operations for 3 mobile applications with 1000+ daily active users.
- Implemented real-time data synchronization reducing system errors by 60% and ensuring database consistency.
- Built 25+ reusable React components, decreasing development time by 40% using modern design patterns.
- Optimized performance through code splitting and lazy loading improving page load speed by 35%.

### Front-End Development Intern (Remote) | Information Technology Institute (ITI) | Mansoura, Egypt | July 2022 - September 2022

- Completed intensive training program mastering HTML5, CSS3, JavaScript ES6+ through 50+ hands-on projects.
- Created 10+ responsive websites achieving 100% mobile compatibility using Flexbox and Grid systems.
- Built 5 Vue.js single-page applications demonstrating proficiency in component-based architecture.

## PROJECT

### E-Commerce Web Application | [GitHub](#) | June 2024 - August 2024

- Developed full-stack e-commerce platform with Strapi CMS managing 500+ products across 15 categories.
- Integrated RESTful APIs processing 1000+ hourly requests with ~200ms average response time.
- Built shopping cart, wishlist, and filtering system increasing user engagement by ~40%.
- Tech Stack:** React.js, Redux Toolkit, Material-UI, Sass, Axios, Strapi CMS.

### Admin Dashboard – Hotel Management System | [GitHub](#) | February 2024 - April 2024

- Architected hotel management SPA with Supabase backend processing 500+ daily operations with 99.9% uptime.
- Engineered authentication system and CRUD functionality managing 20+ rooms and 500+ customer bookings.
- Designed 30+ reusable components using advanced patterns reducing code redundancy by 45%.
- Built data sorting, filtering, and pagination handling 5,000+ records with sub-second response time.
- Tech Stack:** React.js, React Query, React Router DOM, Styled Components, Supabase, Recharts.

### Pizza Ordering Application | [GitHub](#) | January 2024 - February 2024

- Created ordering platform with API integration managing 50+ menu items and 200+ daily orders.
- Implemented cart management and geolocation features improving delivery accuracy by 80%.
- Tech Stack:** React.js, Redux Toolkit, Tailwind CSS, React Router DOM, Geolocation API.

## EDUCATION

### Bachelor of Computer Science and Information Technology | Zagazig University | Zagazig, Egypt | 2024 | 3.4/4.0 (B+)

- Graduation Project:** MS Insight – Grade: A+
- Developed AI-powered mobile application for early diagnosis of Multiple Sclerosis using deep learning and MRI analysis.
- Designed and trained Convolutional Neural Network model achieving high accuracy in MS detection.
- Built RESTful API backend using Flask framework integrating TensorFlow and Keras models.
- Technologies: Python, TensorFlow, Keras, Flask, Deep Learning, Computer Vision.

## CERTIFICATIONS

### Front-End Web Development Certificate | Information Technology Institute (ITI)

## SKILLS

**Languages & Frameworks:** JavaScript ES6+, TypeScript, React.js, HTML5, CSS3, Redux, Redux Toolkit.

**State & Data:** React Query, Context API, RESTful APIs, Axios, Fetch API, React Router DOM, React Hook Form, React Recharts, OOP.

**Styling & UI:** Tailwind CSS, Styled Components, Sass/SCSS, Material-UI, Responsive Design, Framer Motion.

**Tools & Platforms:** Git, GitHub, NPM, Yarn, Webpack, Vite, Chrome DevTools, React DevTools, Supabase, Strapi.

**Engineering Practices:** Component Architecture, Performance Optimization, Clean Code, SOLID Principles, Agile/Scrum, Design Patterns.

**Problem Solving :** 320+ solved problems on [LeetCode.com](#) (JavaScript, TypeScript, Java).

## LANGUAGES

Arabic | Native

English | Professional Working Proficiency