# Mohamed Abdelmageed Elaraby

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## Work Experience

**Educational Platform**                                                                                       **Mansoura, Egypt**
*Web Developer React.js*                                                                                              *06/24-12/24*

- Improved page load speed by 40% through component optimization. 10,000+ students successfully onboarded by creating an intuitive user interface for course enrollment and video lessons.
- Implemented a quiz system with real-time feedback, enhancing student engagement by 30%.
- Designed a responsive layout that increased mobile traffic by 50%.

## Project

- A full-stack eCommerce platform inspired by Amazon, offering a seamless shopping experience.Fox website For Carriers' Trucks for carrier companies to track the packages, and trucks, and generate reports. User authentication usin **JWT** and **OAuth**.Product listing with dynamic search and filters.Cart functionality with item quantity updates and total calculation.Payment integration using **Stripe API**.Order history and tracking system for users.

- An interactive learning platform for students and educators, providing access to courses, exams, and resources. User dashboard with role-based access for students, teachers, and admins.Video lessons integration via **YouTube API**.Online exams with result calculation and real-time timer.Notification system for upcoming exams and course updates.Resource download section for PDFs and other study materials.

- A modern, fully responsive eCommerce website for selling products online. Product categories with detailed product pages.User-friendly cart and checkout process.Payment integration using **PayPal API**.Admin dashboard for managing products, orders, and inventory.SEO-optimized for better search engine visibility.

- A collection of interactive and data-driven dashboards for business analytics and management. Visualized KPIs using **charts** and **graphs** (e.g., bar charts, pie charts, line graphs). Real-time data fetching using WebSockets and APIs.User roles for restricted data access.Export reports in PDF and Excel formats.Fully responsive for mobile and desktop.

- Document-to-Quiz Converter . An innovative platform that allows users to upload Word or PDF files and automatically generates multiple-choice questions (MCQs) from the document content. Drag-and-drop or file upload interface for Word and PDF documents. AI-based content parsing to extract important information and generate questions.Real-time display of extracted questions and multiple-choice options. Option to download the generated quiz as a Word or PDF document. User-friendly interface with progress indicators during processing.

## Education

**Mansoura University**                                                                                        **Mansoura, Egypt**
*Bachelor of Computer Science and Statistics*                                                                         *06/18-12/22*

- GPA: 3.77/4.0.
- 1st best University in Egypt.
- Areas of Study: Software Engineering, embedded systems, designs Patterns, OOP, Data Structure.
- Projects: Visa Renewal System, Vaccine appointment system , traveling booking system.

## Language and IT Skills

**Technical:** JavaScript, React, Redux , Node , Express , MongoDB , MySQL, Git.
**Language:** Arabic (Native), English (Proficient).

## Professional Courses

- ReactJs Crash Course                                                                                                      Udemy
- Advanced Deep learning                                                                                                 Coursera

## Additional Information

**Key Abilities:** Proficient in Modern Frontend Technologies .Expert in **React.js**, **JavaScript (ES6+), HTML5**, and **CSS3** for building responsive, high-performance web applications.Skilled in using **Redux**, **Context API**, and **React Query** for efficient state and data management. Innovative Problem Solver . Successfully developed a **Document-to-Quiz Converter** that automates the creation of multiple-choice questions from Word and PDF documents, utilizing AI-driven text parsing.Designed and built scalable platforms like an **educational system**, **eCommerce solutions**, and **dashboards** for real-time analytics. Strong Design and User Experience Skills . Adept at translating complex requirements into clean, responsive, and user-friendly interfaces.Experienced in collaborating with designers to ensure seamless integration of UI/UX principles using **Figma**, **Adobe XD**, and **Material-UI**. **Backend Collaboration.** Proficient in integrating **RESTful APIs** and **GraphQL APIs** for dynamic data fetching and seamless backend communication.Familiar with backend technologies like **Node.js** and **Express.js** for debugging and API testing.