

# Abdelrhman Osama

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📍 Cairo, Egypt

## Skills

**Programming:** JavaScript (ES6+), TypeScript, Node.js, C, C++.

**Frontend Development:** React.js, Next.js, NextAuth.js, Context API, Redux Toolkit, React Query, Axios, CSS3, Bootstrap, Tailwind CSS, Responsive Design.

**Backend Development:** Express.js, RESTful APIs, MVC architecture

**Database:** MongoDB, SQL Server, PostgreSQL, database design and querying.

**Tools:** Git, Postman, VS Code, Visual Studio.

## Professional Experience

**Software Engineer**, Coretech Innovations - Hybrid

2025 Nov – Present  
Giza, Egypt

- Developed and maintained scalable web applications using **React and Next.js**, focusing on clean architecture, reusability, and performance optimization.
- Improved application **SEO and Core Web Vitals** through SSR optimization, structured metadata, dynamic sitemap generation, and performance tuning.
- Collaborated closely with design and backend teams to deliver high-quality user experiences and implement new features efficiently.
- Contributed as a **Full-Stack Engineer** on a key project using **NestJS**, implementing backend modules, REST APIs, and business logic with proper validation and database integration.

**Embedded software Engineer**, Coretech Innovations - Hybrid

2024 Mar – 2025 Jan  
Giza, Egypt

- Developed and maintained software for electric vehicle chargers using C++ on Linux.
- Diagnosed and resolved IPC-related issues in a system with M4 and A7 cores using OpenAMP, ensuring stable inter-core communication.
- Worked on HMI LED display color correction for temperature-induced RGB LED intensity variations, ensuring consistent visual output.
- Contributed to debugging and optimizing software, improving maintainability and system performance.



## Projects

**FreshCart E-commerce**


- Built a e-commerce frontend with **product listing, related products, wishlist, add-to-cart functionality, cart operations, and secure online payment integration using Stripe**.
- Developed **category and brand-based product filtering pages** to enhance user shopping experience.
- Integrated **authentication and authorization with NextAuth** for secure user sessions.
- Connected the app to **Route Academy RESTful API** for backend services.
- **Tech stack:** Next.js, React.js, TypeScript, NextAuth, React Query, Context API, Axios, React Hook Form, Tailwind CSS, Shadcn UI
- GitHub: [GitHub - abdul-rhman/fresh-cart](https://github.com/abdul-rhman/fresh-cart) 📄
- Live Demo: [Create Next App](#) 📄

**Social Media App**

- Developed a frontend social media application with features including user authentication (login/register), creating and editing posts, adding and editing comments, updating profile pictures, and changing passwords.
- Integrated with **Route Academy RESTful API** for backend services.
- **Tech stack:** React.js, React Router, React Query, Context API, Axios, React Hook Form, Tailwind CSS



- GitHub: [GitHub - abdul-rhman/Social-media](#) 
- Live Demo: [Social Media](#) 

### E-commerce RESTful API

- Designed and developed a RESTful API for an e-commerce platform using **Node.js**, **Express.js**, and **MongoDB**.
- Implemented CRUD operations, modular routing, and MVC architecture.
- Utilized **Mongoose** for data modeling and schema validation.
- Managed environment configurations and integrated proper error handling.
- GitHub: [github.com/abdul-rhman/ecommerce-api-nodejs](#) 

### Responsive Portfolio Templates Clone

Designed and developed a responsive portfolio websites using **HTML**, **CSS** and **Bootstrap**.

- portfolio 1: [github.com/abdul-rhman/Responsive-Portfolio-Template-Clone](#) 
- portfolio 2: [github.com/abdul-rhman/Responsive-Portfolio-Template-Clone2](#) 

## Internships

**Intensive Code Camp (ICC)**, Information Technology Institute (ITI)

2025 Jul – 2025 Nov  
Giza, Egypt

- Developed and maintained full-stack web applications using the **MERN stack** (MongoDB, Express.js, React.js/Angular, Node.js).
- Designed and implemented **RESTful APIs**, managed **databases**, and built **responsive user interfaces**.
- Integrated **frontend and backend components** to deliver complete, production-ready applications.

**Embedded Software Intern**, Valeo Egypt

2021 Oct – 2022 May

- Designed and reviewed Software Requirement Specifications (SRS) and Component Design Documents (CDD).
- Executed integration and validation testing for embedded software components.
- Worked on software development for various OEMs, including Audi, Volkswagen, GM, Honda, GWM, FCA, and Scania.

## Education

**Bachelor of Computer Engineering**, Faculty of Engineering, Helwan University  
**Grade:** Very Good.

2017 – 2021

## Courses

**Frontend Web Development**, Route Academy

2025 May – 2025 Sep

- Covered **HTML5**, **CSS3**, **Bootstrap 5**, **JavaScript (ES6+)**, **DOM & BOM**, **AJAX**, **jQuery**, **NPM**, **Sass**, **Tailwind CSS**, **TypeScript**, and **React.js**.
- Built multiple responsive and interactive projects applying modern frontend practices.
- Gained practical experience in real-world web development workflows.

## Languages

**Arabic:** Native

**English:** Very Good