Nour El-Deen Ehab

Full-Stack MERN Developer

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Full Stack Developer with strong expertise in the MERN stack and hands-on experience building scalable RESTful APIs and responsive SPAs. Skilled in clean architecture, authentication, database optimization, and secure backend systems. Proven ability to deliver production-ready applications and implement best practices in both frontend and backend development.

PROJECTS

Tours Management System (API) | Node.js, Express, MongoDB

- Architected a scalable RESTful API following the MVC pattern for a booking platform.
- Implemented complex data modeling with Mongoose, including CRUD operations, data validation, and geospatial queries.
- Secured endpoints using JWT authentication and authorized distinct user roles.

Blog Application | React, Node.js, Express

- Built a dynamic Single Page Application (SPA) for content management, allowing users to create, edit, and delete posts
- Developed a robust backend with Express.js to handle API requests and manage user authentication.

Full-Stack E-commerce Application | React, Node.js, MongoDB, Redux

- Developed a feature-rich e-commerce platform with a responsive UI using React and Redux for state management.
- Built secure RESTful APIs for product and order management, implementing JWT authentication and role-based authorization.
- Integrated advanced error handling, input validation, and secure password hashing to enhance application security.

EDUCATION

Bachelor of Science in Agriculture   **Oct 2021 - Jun 2025**
Alexandria University

- **Major**: Animal Production.
- **Achievement**: Won **"Best Graduation Project Award"** for developing an AI-powered system to analyze animal movement patterns using sensor data.

CERTIFICATIONS

- **MEAN Stack Web Developer Track – National Telecommunication Institute (NTI).**
- **Node.js, Express, MongoDB: The Complete Bootcamp – Udemy.**
- **React - The Complete Guide – Udemy.**

SKILLS

- **Languages & Core**: JavaScript (ES6+), TypeScript, HTML5, CSS3.
- **Frontend**: React.js, Redux (Toolkit), Context API, Material UI (MUI), Tailwind CSS, Bootstrap.
- **Backend**: Node.js, Express.js, RESTful APIs, MVC Architecture, JWT Authentication.
- **Database**: MongoDB.
- **Tools**: Git, GitHub, Postman, Pug.js, EJS.