

PROFESSIONAL SUMMARY

Creative and detail-oriented Computer Engineering student specializing in modern web development. Proficient in React.js, Next.js, TypeScript, and Node.js with experience building responsive, user-centric web applications. Strong understanding of RESTful APIs, database design, and deployment workflows. Passionate about creating seamless user experiences and writing clean, maintainable code.

EDUCATION

- Cairo University, Faculty of Engineering

B.Sc. in Computer Engineering; GPA: 3.6

Giza, Egypt

2023 – 2027

EXPERIENCE

- Al Nada Scientific Office

Web Developer (Freelance)

Cairo, Egypt

June 2022 – 2024

- Full-Stack Development:** Built custom ERP web application using React.js and PostgreSQL to replace legacy spreadsheet-based business processes.
 - Frontend Engineering:** Designed responsive user interface with Redux state management and RESTful API integration.
 - Deployment:** Configured Electron-based desktop deployment for local server usage.

WEB DEVELOPMENT PROJECTS

- Hankers (Social Platform)

Full-Stack Engineering

Source Code

Software Engineering

- Architecture:** Built scalable social platform using Microservices principles, React.js, and TypeScript.
 - Frontend:** Implemented responsive UI design and asynchronous API integration via AJAX.
 - DevOps:** Established CI/CD pipelines and containerized services using Docker for consistent deployment.
- NexaMart

E-commerce Solution

Source Code

Full-Stack

- Stack:** Next.js (TypeScript), Redux Toolkit, Laravel 11, and MySQL.
 - Functionality:** Implemented secure authentication (Sanctum), shopping cart logic, real-time order processing, and administrative analytics dashboard.
- Tayseer-Web

Corporate Web Solution

Code | Live

Freelance

- Deployment:** Deployed corporate website utilizing Next.js framework and TypeScript.
 - Performance:** Maximized performance via Server-Side Rendering (SSR) and strict static typing for reliability.
- Company Manager App – Al Nada Scientific Office

ERP System with Electron Desktop Deployment

Source Code

React & PostgreSQL

- Tech Stack:** React.js, Redux, Express.js, Prisma, PostgreSQL, Electron for desktop deployment.
 - Business Solution:** Developed ERP application for Al Nada Scientific Office managing customers, suppliers, inventory, and sales records.
 - Deployment:** Packaged application with Electron for local server deployment, enabling offline usage.
- Interactive Orrery – NASA Space Apps Hackathon

3D Space Simulation

Code | Live

Oct 2024

- Hackathon Project:** Developed during NASA Space Apps Challenge 2024, simulating orbital mechanics and near-Earth object trajectories using React.js and Three.js.

STUDENT ACTIVITIES

- **IEEE** Cairo
UI/UX Designer - Frontend Team Leader *Oct 2025 – Present*
 - **Interface Design:** Architected intuitive user interfaces for internal platforms, optimizing user journey and accessibility protocols.
- **Technical Center for Career Development (TCCD)** Cairo
Frontend Developer *June 2025 – Present*
 - **HR Management System:** Engineered internal dashboard enabling HR personnel to monitor events, track attendees, and analyze participation metrics.
 - **Web Maintenance:** Spearheaded development and ongoing optimization of official TCCD web presence.
- **Physics Helping District (PhD)** Cairo
Team Leader *June 2022 – 2024*
 - **Mentorship Initiative:** Directed student-led initiative supporting peers in physics and electronics via tutoring and practical workshops, resulting in measurable academic improvement.

TECHNICAL SKILLS

- **Frontend Development:** React.js Framework, Next.js, TypeScript, Redux State Management, Tailwind CSS, Material-UI Components, Three.js Graphics
- **Backend & Database Systems:** Node.js Runtime, Express.js Framework, Laravel PHP, RESTful APIs, GraphQL, PostgreSQL, MySQL, MongoDB, Prisma ORM
- **DevOps & Development Tools:** Docker Containers, Git Version Control, CI/CD Automation, Linux Administration, API Testing, Cloud Deployment