

# Ahmed Fathy

Web Developer

LinkedIn | GitHub | Portfolio

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Giza, Egypt

## 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

Giza, Egypt

*B.Sc. in Computer Engineering; GPA: 3.6*

2023 – 2027

## EXPERIENCE

### • Al Nada Scientific Office

Cairo, Egypt

*Web Developer (Freelance)*

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)

Source Code

*Full-Stack Engineering*

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

Source Code

*E-commerce Solution*

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

Code | Live

*Freelance*

*Corporate Web Solution*

- **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

Source Code

*ERP System with Electron Desktop Deployment*

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

Code | Live

*Oct 2024*

*3D Space Simulation*

- **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

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- **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

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- **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