

Mahmoud Hany Mahmoud

Software Engineer

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Military Status: Exempted

Summary

Highly motivated Full-Stack Developer currently training at ITI, with strong React, Python, Django, Java, and database management skills. Proficient in OOP, data structures, and algorithms, with experience in Linux and shell scripting.

Internships

Full Stack Web Development using Python Mar 2025 – present
Information Technology Institute (ITI), Alexandria, Egypt

Movie App (*React, JavaScript, Axios, CSS, Tailwind CSS, TMDB API*) [Live Demo](#)

- Implemented a pixel-perfect React UI from Figma designs with search for **10,000+ movies**.
- Reduced data fetch time 25% via Axios and useEffect optimizations.
- Built responsive movie browser with TMDB API and efficient state management.

E-Commerce App for Electronics (*React, JavaScript, Vite, Bootstrap 5, Lottie, Fake Store API*) [Live Demo](#)

- Built React e-commerce app with real-time cart/wishlist using Context API.
- Integrated animated search feedback with Lottie and designed a clean, modern UI with Bootstrap 5.
- Ensured cross-device responsiveness via flexible React components.

Book Store App (*Python, Django, SQLite, HTML5, Tailwind CSS, venv*) [Source Code](#)

- Built a full-stack book app with Django, implementing full CRUD, models, views, and routing.
- Created a responsive UI using Tailwind CSS and HTML5 for a clean, modern user experience.
- Mastered key Django concepts like MTV architecture, forms, DTL, and migrations.

Work Experience

Front-end developer Jan 2025 – Mar 2025
Freelance (HTML5, CSS3, JavaScript)

- Designed and developed a responsive website for selling Dates.
- Optimized performance via image compression, lazy loading, and code splitting, improving load times.

Children's Coding Instructor Sep 2024 – Dec 2024
iSchool - Remote

- Taught over 200 students the basics of AI, Python, and OOP.
- Delivered 400+ hours of instruction, simplifying complex programming concepts for young learners.
- Debugged 100+ student projects, providing constructive feedback and fostering problem-solving skills.

Trainings

Linux Administration - Summer internship Jul 2023 - Aug 2023
Information Technology Institute (ITI), Alexandria, Egypt

- Executed core system operations in virtual environments.
- Mastered command-line fundamentals for deployment and server management.

Education

Bachelor of Computer Science, GPA: 2.7 2020 – 2024
Faculty of Science, Alexandria University (SIM)

Graduation Project (Loco) (*Dart, Flutter, BloC, Firebase, Firestore, Gemini API*) [Source Code](#)

- A centralized marketplace for Egyptian brands, replacing social media searches with direct shopping and AI-powered features.

Technical Skills

- **Programming Languages:** Python, JavaScript, HTML5, CSS3, SQL, Bash, Java, Dart
- **Technologies:** Django, React, Redux, Tailwind, Bootstrap, PostgreSQL, Docker, Git, GitHub, Postman, Figma
- **Fundamentals:** OOP, Data Structures, Algorithms, SOLID Principles, Design Patterns, Database
- **Practices & Concepts:** REST APIs, Unit Testing, UI/UX Design, Agile Development