Ahmed Essam Ahmed
Full Stack Developer

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Education

Cairo University   2020 – 2024
Bachelor of Computer Science – Artificial Intelligence - GPA(2.9/4)
Graduation Project: Developed a generative model using GANs to enhance image quality using deep learning.

Professional Experience

We School   08/2025 – Present
Programming instructor   Nasr City
Experienced Programming Instructor at We School, teaching React, PHP, Laravel, and practical project implementation Skilled in guiding students through hands-on projects and applying real-world problem-solving techniques. Dedicated to fostering a collaborative learning environment with a focus on modern web development skills.

Penta-b   02/2025 – 05/2025
Frontend Intern   – Cairo, Egypt
- Developed user interfaces using React.js and Chakra UI in an Agile team setting.
- Contributed to internal dashboard "Reego" optimizing load   performance by ~30% using SVG rendering.
- Integrated TanStack Query for efficient API handling and caching.
- Built modular, reusable components and forms using Formik and Yup.

iSchool & Amgad International School – Cairo, Egypt   2023 – 2024
AI & ICT Instructor (Part-Time)   Cairo, Egypt
• Taught ICT and AI fundamentals to students aged 10–16 in a simplified and engaging manner.
• Managed classroom activities, explained complex concepts clearly, and fostered a collaborative learning environment.

Projects

FreshCart – E-Commerce Web Ap
• Built using React.js, Next.js, Tailwind CSS, Axios, Formik, Yup, and TanStack Query.
• Implemented user authentication, product browsing, cart, and checkout features.
• Focused on performance, modular component structure, and clean UI.

Live Chat App
Developed a real-time messaging platform using Next.js, Zustand, Tailwind CSS, Axios, and TanStack Query.
Supports live messaging, user presence, and responsive UI.
Used Formik and Yup for input validation and dynamic form control.

Hodoor – Student Attendance Platform
Web app to manage student check-ins via barcode scanner.
Built with React.js, Next.js, Tailwind CSS, Axios, TanStack Query, Formik, and Yup.
Features included dashboard, student database, and reporting.

Courses

React Frontend Development – Udemy

Data Structures & Algorithms – Udemy

Node.js Development – Udemy (in progress)

Skills

Languages & Frameworks:
JavaScript, TypeScript (basic),
React.js, Next.js, Node.js, PHP
(Laravel)

Dev Tools
 Git, GitHub, VS Code, Postman,
Chrome DevTools

Soft Skills
- Team Collaboration
- Self-Learning
- Communication
- Classroom & People
Management

API & Data Handling
Axios, TanStack Query, RESTful
APIs

Databases
SQL Server , Mongodb

Databases
SQL Server, MongoDB (basic)

Concepts
OOP, Problem Solving,
Responsive Design,
Component-Based
Architecture, State
Management

Languages

Arabic-Native   English-Intermediate