ALI MAHMOUD Software Engineer

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⚙ GitHub 🔗 Portfolio M Alternative E-mail

PROFESSIONAL SUMMARY

I'm a Computer Science graduate experienced in full-stack development React, Next.js, Node.js. Passionate about building scalable, user-friendly applications and growing in dynamic tech teams.

EDUCATION

B.Sc. in Computer Science   10/2021 – 06/2025
Higher Institute of Management and Information Technology   Kafr El-sheikh, Egypt

PROFESSIONAL EXPERIENCE

Frontend Developer Intern   07/2024 – 09/2024
Apps Square   Tanta, Egypt

Front-end Developer | Next.js & React.js | Secure Login Pages & API Integrations

- Developed secure, full-featured dashboards with Next.js, including authentication (JWT/cookies), CRUD operations, file uploads, and multi-language support.
- Developed and integrated RESTful APIs for authentication and data visualization, enhancing performance through React hooks and server-side rendering (SSR).
- Collaborated on end-to-end frontend solutions from landing pages to complex UIs using modern stacks (React, Tailwind CSS) and Agile practices.

SKILLS

- Programming Languages: JavaScript (ES6, DSA & OOP), Python (Fundamentals & Algorithms), TypeScript
- Web Development: HTML5, CSS3, React.js, Next.js SASS, SCSS, Bootstrap 5, Tailwind CSS, Responsive Web Design
- Server-Side Technologies: Node.js, Express.js, RESTFUL APIs, JSON, JWT
- Database Management: SQL Server, MongoDB
- Software Architecture: System Design and Analysis, Software Engineering (Waterfall, Agile)
- Additional Technologies: JS Unit Testing (JEST), Version Control (Git and GitHub), Vercel, Vite and FIGMA UI
- Soft Skills: Openness to learn, Communication, Teamwork, Adaptability, Fast-Learner, Problem-Solving, Professionalism, Organization, Flexibility

PROJECTS

Students Performance Prediction System   02/2025 – 05/2025
Graduation Project - Team Lead

Developed a machine learning model to predict student performance based on academic data

- Led a team of 5 in developing Students Performance Prediction System.
- Designed a machine learning model using Random Forest with Python (Pandas, NumPy, Scikit-learn) to predict academic performance across 3rd and 4th years based on 1st and 2ndyear data.
- Enabled early intervention for at-risk students and improving students' academic performance records.
- Engineered data visualization dashboards (Power BI, Matplotlib, Seaborn) to analyze trends, highlight lowperformance subjects, and provide actionable insights for educators.

Expense Tracker Application   05/2025 – 05/2025

Next.js, Tailwind CSS, Recharts & React
- Developed a full-stack dashboard application featuring financial overviews, income/expense tracking, and interactive data visualizations
- Implemented user authentication with cookie-based sessions and persistent "Remember Me" functionality using localStorage
- Designed responsive UI components with dynamic charts (Pie, Bar, Line) to visualize financial data and spending trends

LANGUAGES

Arabic — Native/Bilingual   **English** — Fluent

COURSES

Meta Frontend Developer Course   02/2024 – 07/2024

Coursera   Dakahlia, Egypt
- Covered HTML, CSS, JavaScript, and advanced React including hooks & performance optimization.
- Built a fully functional restaurant website (Little Lemon) with React.js.