

ALI MAHMOUD

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CARRER GOAL

I'm a passionate software engineer with a strong foundation in the fundamentals of computer science fields and its related subjects we've taken in the four years of studies in college. I've developed a strong foundation in computer science, mastering the fundamentals of programming with languages like c++ and c#, and gaining expertise in data structures, algorithms, and object-oriented programming with these languages. My coursework has also equipped me with skills in system design and analysis, software architecture, and project management, complemented by advanced mathematics such as Boolean algebra, calculus, statistics and probability. Also, we have explored the fundamentals of AI fields such as ML, computer vision, deep learning and neural networks. This comprehensive academic journey has fostered a passion for innovation and problem-solving in the ever-evolving tech landscape.

SOFT SKILLS

- Effective Communication
- Teamwork & Collaboration
- Fast Learner
- Responsibility
- Problem-Solving
- Adaptability
- Critical Thinking
- Patience and Perseverance

LANGUAGES

- Arabic, Native
- English, Fluent

EXPERIENCE

Apps Square, onsite • Frontend Developer
(July 2024) - (September 2024)

Assisted in developing web applications using React and Next.js, focusing on dynamic and responsive UI components. Collaborated with team members, participated in code reviews, and learned modern development practices.

- Completed a frontend internship focused on building web applications with React and Next.js.
- Gained valuable mentorship from an experienced frontend engineer, receiving guidance and more detailed info about frontend field.
- Tackled challenging tasks that helped enhancing my technical skills and improve problem-solving abilities.

EDUCATION AND CERTIFICATIONS

HIMIT, Kafr Elsheikh • Bachelor's In Computer Science – Good Grade

Graduation Year (July 2025)

I enrolled in the Higher Institute of Management and Information Technology of Kafr ElSheikh on October 2021, and I will graduate in July 2025. During this period, we've learned lots of things such as:

- Learned the basics of programming using C++ and C#, with a focus on data structures, algorithms, and object-oriented programming.
- Gained knowledge in systems and design analysis, including project planning and software architecture.
- Studied software engineering principles for effective project development and management.
- Completed advanced mathematics courses, including Boolean algebra, calculus, statistics, and probability.

Coursera • Meta Frontend Development Intensive Course

Compilation Date (July 2024)

Completed an intensive Meta frontend development course specializing in React.js. Acquired hands-on experience in building interactive and responsive web applications using React.js. went through crucial topics such as the following:

- Completed the Meta Front-End Developer course, developing a solid foundation in frontend fundamentals, including HTML, CSS, and JavaScript.
- Progressed through React basics, learning essential components, state management, and core React concepts.
- Advanced React topics, focusing on performance optimization, hooks, and building dynamic, interactive user interfaces.
- finally completed the capstone project course, integrating course concepts into a cohesive, real-world application.

PROJECTS

- **STUDENTS PERFORMANCE PREDICTION APPLICATION, GRADUATION PROJECT**

I developed with my team a graduation project an application for analyzing student's data. A personalized tool designed to analyze student data and provide actionable recommendations to enhance their academic and technical progress. Leveraging Python for data processing and PowerBI for visualization, the application offers intuitive insights into performance trends, helping students identify areas for improvement and optimize their learning strategies. This project helped me strengthen my skills learn other new technologies such as Python, Pandas, and PowerBI, and discover new fields like data analytics and ML.

- **SYSTEM FOR COMPANY CONTRACTING MANAGEMENT DEPARTMENT**

I undertook a project focused on designing a system for the contracting management department of an online services company. As part of the system analysis course, I created a comprehensive use case model, including a context diagram (level 0) and detailed Level 1 and Level 2 diagrams, using LucidChart. This project involved analyzing the department's workflows, identifying key processes, and mapping out interactions to streamline contracting management. This project helped me enhance my skills in system modeling, requirements analysis, and using visualization tools to solve complex organizational challenges and I got the highest grade in this project (excellent grade).

- **AN ONLINE PORTFOLIO FOR SHOWCASING MY EXPERTISE**

Developed a personalized Online Portfolio using React Js, showcasing a collection of web development projects, skills, and achievements. Designed an interactive and visually appealing platform to highlight my professional journey, skills, and contributions to the field of web development, facilitating effective self-presentation and career advancement.

ACADEMIC SKILLS

Fundamentals of Programming with C++ and C#, Data Structures and Algorithms, Mobile Applications using Java and Flutter, Mathematics Fundamentals such as Boolean algebra, calculus, statistics and probability, networks and cybersecurity fundamentals, system design and analysis, software engineering fundamentals and software life-cycle, AI fundamentals and its fields such as ML, computer vision, deep learning and neural networks, researches preparation.

TECHNICAL SKILLS

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|------------------------------|---------------------------------|
| • HTML5, CSS3 & SASS | • Node Js, Express JS & MongoDB |
| • JavaScript, ES6 & REACT JS | • Python, Django & Pandas |
| • TypeScript & Next JS | • SQL Database |
| • Bootstrap5 & Tailwind CSS | • Excel & PowerBI |
| • Git & GitHub | |
| • FIGMA & Canvas | |