Mohamed Mahmoud

Software Engineer

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Summary

passionate about building responsive and scalable web applications. Skilled in modern frameworks and libraries like Angular, Bootstrap, and Tailwind CSS, with experience in developing e-commerce platforms and API-driven applications. Currently pursuing a bachelor's degree in computer science and Artificial Intelligence at Cairo University, with a solid understanding of data structures, algorithms, and web performance optimization. Excited to contribute to innovative projects and deliver high-quality web solutions.

Experience

Front-End Web Development Course at Route Academy *Certification*   **Sep 2024 – Mar 2025**

- Learning modern web technologies, including HTML, CSS, Java Script
- Built small-scale projects such as dynamic websites and API-based applications
- Build E-commerce Websites.
- Gaining proficiency in frameworks like Angular19, Bootstrap5 , Tailwind CSS

Software Engineer Intern at EgronX *Certification*   **Sep 2024 – Mar 2025**

- Worked as part of a cross-functional team to develop Bayt Aura, a full-featured real estate management web platform.
- Built dynamic and responsive user interfaces using Angular 19, Tailwind, and TypeScript.
- Implemented advanced search and filtering functionalities for property listings
- Integrated RESTful APIs and optimized front-end performance for scalability and responsiveness.
- Collaborated with the AI team to integrate an NLP-powered chatbot and AI-based property recommendation system.
- Gained hands-on experience working in an agile environment using GitHub and Scrum methodology.

AI Training at *Huawei Training Course (HCIA)* *Certification*   **Jul 2024 – Aug 2024**

- Completed an AI training program covering machine learning, deep learning, neural networks.
- Gained hands-on experience with TensorFlow, OpenCV, and Python for AI development.
- Learned about AI model deployment and optimization.

Data Scientist Trainee at *Digital Egypt Pioneers Initiative (DEPI)* *Certification*   **Nov 2024-May2025**

- Participated in intensive training on data science techniques and tools.
- Worked on projects involving data analysis, visualization, and machine learning.
- Gained hands-on experience with Python, pandas, and scikit-learn.

Education

B.Sc. in Computer Science and Artificial Intelligence, Cairo University   Sep 2021 – Jun 2025

Skills & abilities

Technical Skills:

- **Programming Languages:** Python, JavaScript, TypeScript, C++,C#, Java.
- **Web Technologies:** HTML5, CSS, SASS, Bootstrap, Tailwind CSS.
- **Frameworks:** Angular19
- **Web Scraping:** BeautifulSoup, Selenium.
- **Version Control:** Git, GitHub.
- **Other Skills**: Data Structure, Algorithms, REST APIs.

Soft Skills:

- Management
- Communication and teamwork
- Problem solving
- Leadership

Additional Knowledge

- Experience with data analysis and visualization using Pandas and Matplotlib.
- Understanding of machine learning concepts and frameworks like TensorFlow & Scikit-learn.
- Completed Data Science training at Digital Egypt Pioneers Initiative (DEPI), gaining experience in data manipulation, ML models, and data visualization

Projects

SumGenQ – Smart Educational Assistant (Graduation Project):

- Developed the front end of an AI-powered educational platform using Angular and Bootstrap, focusing on user-friendly design and smooth interaction.
- Collaborated with the AI team to integrate NLP-based features such as text summarization and chatbot interaction using Transformer models (BART, T5, Pegasus).
- Contributed to testing and deploying the application using Vercel and GitHub CI/CD, ensuring a stable and scalable system.

Bayt Aura – Real Estate Management System (Internship Project at EgronX):

- Developed a modern web platform for real estate property management using Angular 19 and Tailwind.
- Implemented advanced search and filtering features, property favorites, and multi-role access (Admin, Provider, Customer).
- Integrated AI-based property recommendation and an NLP-powered chatbot for personalized user Interaction.
- Collaborated with the backend and AI teams to ensure smooth integration and optimized performance across the system.

E-commerce Website:

- Developed a fully responsive e-commerce website using Angular, Bootstrap, and Tailwind CSS.
- Integrated REST APIs to fetch and display dynamic product data.

- Improved site performance by 30% using lazy loading and code splitting.

Personal Portfolio Website:

- Built a professional portfolio website to showcase projects and skills.

- Implemented a dark mode toggle and smooth animations for better UI experience.

- Designed a fully responsive layout to ensure compatibility across all devices.

Weather App using API Integration:

- Created a real-time weather application using JavaScript, Fetch API, and Open Weather API.

- Designed a modern responsive UI using CSS Grid and Flexbox.

Social Media App:

- Developed a social media application with post sharing and user authentication.

- Built a fully responsive social media platform using Angular, Bootstrap.

- Designed an intuitive UI with Tailwind CSS for a seamless user experience.

Languages

English (Fluent), Arabic (Native)