

# Mohamed Mahmoud

Front End Developer

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## Summary

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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

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**Front-End Web Development Course at Route Academy** [Certification](#) **Sep 2024 – Feb 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

**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.

## Education

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

## Skills & abilities

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### Technical Skills:

- **Programming Languages:** Python, JavaScript, TypeScript, 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
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## 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
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## Projects

### 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.

### Text Summarization Website (Graduation Project):

- Built a user-friendly interface using HTML, CSS, JavaScript (Angular), and Flask/Django for the backend
- Implemented extractive and abstractive summarization techniques with Transformers (BART, T5).
- Developed a web-based application for automatic text summarization using Natural Language Processing (NLP).

### 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.
- Hosted on GitHub Pages with CI/CD pipeline for automatic deployment.

### 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.
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## Languages

English (Fluent), Arabic (Native)