

Salma Maher Ali Barakat

Front-End Web Developer | DS Undergraduate

Contact information

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Objective

- Computer Science undergraduate (class of 2028) with strong academic foundations and hands-on project experience. Currently enhancing technical and interpersonal skills through national-level training programs. Seeking a Front-End Web Developer role where I can contribute and grow in a collaborative tech environment.
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Education

- Alexandria University - B.Sc. in Computer Science, Faculty of Computers and Data Science (Expected Graduation: July 2028).
 - GPA: 3.61 (Excellent).
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Trainings

- *Object-Oriented Programming in Java:*
 - HackerRank - Completed core OOP principles.
 - *React Front-End Web Development Track (Ongoing):*
 - Offered by Skills Dynamix under Digital Egypt Pioneers Initiative (MCIT).
 - Covers HTML, CSS, JS, TypeScript, React, Bootstrap, UX/UI, Git, Node.js & Express (including Prompt Engineering module).
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Skills

- *Technical Skills:*
 - Java, JavaScript, R, Python, HTML5, CSS3, React, Bootstrap.
 - Data Structures: Stack, Linked List, Arrays, Trees, Hash Tables.
 - Algorithms: Binary Search, Merge Sort, Sliding Window Technique, Lower & Upper Bound Technique, Frequency Array Technique, Quick Sort, Recursion, Backtracking, Greedy, BFS, DFS.
- *Soft Skills:*
 - Teamwork, Time Management, Communication, Critical Thinking, Adaptability, Flexibility, Storytelling, Problem Solving, Presentation Skills.
- *Language Skills:*
 - Arabic (Native), English (Professional Working Proficiency).

Projects

- *Grocery Customer Analysis & Segmentation (R project):*

Dec 2024 - Jan 2025

 - Built an interactive dashboard using R Shiny to analyze customer behavior in grocery data. Applied K-means clustering and Apriori algorithm for segmentation and pattern discovery.
- *University Management System (Java):*

Apr 2025 - May 2025

 - Developed a Java-based system for course registration and student enrollment. Implemented Undo/Redo using Stack and managed data via Linked List structures.