

# Eman Barakat

Frontend Engineer React  
Cairo,Egypt

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## Summary

I graduated from the German University in Cairo with a degree in Mechatronics Engineering. I am passionate about front-end development. Built responsive eCommerce sites with HTML, CSS, and JavaScript. Familiar with React, TypeScript, and REST APIs. Combines analytical thinking with clean, functional design. Eager to apply problem-solving skills in a front-end developer role.

## Education

### German University in Cairo

Bachelor of Mechatronics Engineering

Aug. 2018 – July 2023  
cairo,Egypt

## Experience

### El-Nada company for Air conditioning

Business developer engineer

Aug. 2023 – May 2025  
cairo,Egypt

## Projects

### Furniture Ecommerce website | Html , Css , javascript

Feb. 2025 – March 2025

- Developed a fully responsive e-commerce website for furniture sales with a clean, user-friendly interface.
- Implemented product listings with filtering options (by price, category) for easy navigation.
- Built an interactive shopping cart (add/remove items, quantity adjustment) using JavaScript.
- Designed a checkout page with form validation for shipping and payment details.
- Enhanced UX with animations, hover effects, and a mobile-friendly layout using CSS Flexbox/Grid.
- Used localStorage to persist cart data even after page refresh.

### Ecommerce website | Html , Css , javascript ,React , tailwind

July. 2025 – Present

- Developing a fully responsive e-commerce platform using React, Tailwind CSS, and clean code practices.
- Implementing mobile-first layouts, dynamic product filtering, and cart functionality.
- Ensuring cross-device compatibility with responsive design principles (Flexbox/Grid).
- Optimizing component reusability and performance for scalability.

### Autonomous Ackermann Vehicle | Python, ROS, Raspberry Pi ,Gazebo

April 2023 – July 2023

- Developed an autonomous obstacle-avoiding Ackerman Vehicle on Gazebo, and tested ROS nodes on Raspberry pi.

### Machine testing plastic gear [Bachelor project] | Arduino

April 2022 – June 2022

- Testing plastic gears through temperature sensor and speed sensor in real-life experiments.

### Re-Implement Hearthstone Card Game | javascript, OOP

April 2019 – July 2019

The game is a turn-based, 2-player card game where each player takes control of a popular hero from the Warcraft universe. Based on the chosen hero, each player is dealt a deck of cards to defeat the opponent's hero using Java and OOP.

## Technical Skills

- **Programming languages:** JavaScript ,Python, C, C++, G code.
- **Technologies/Frameworks:** Github, React , HTML/CSS , Bootstrap ,Tailwind ,TypeScript,REST APIs.
- **Communication Language:** Arabic [Native], English [Fluent],German[A2].

## Course

- Web development
- Marketing

## Extracurricular Activities

- **FR member** , IEEE GUC SB [2019-2020]