

Mark Alber Botros Adam

Birth: 14/1/2012

Contact

01273705615 | 01223921106

markalber779@gmail.com

Cairo, Egypt

<https://eg.linkedin.com/in/mark-alber-688118324>

<https://www.facebook.com/mark.alber.7543>

Certificates & Honors

Young Innovator

<https://www.elwatannews.com/news/details/8079061>

First place in Digital Applications

(May.2025)

Talent Arabic

Second Place In Scientific Innovations

(2025)

Code Challenge Champion

Third Place

(2025)

iSchool Tech

For completing Digital Egypt Marvels Initiative (DEMI - Level 2)

(Aug.2024)

Children's University

Joined Children's University at Ain Shams University

(2023)

RobotTech Computer Science Community at Ain Shams University

For participating at space competition at Ain Shams University

(Sep.2023)

EDRAAK

For completing Arduino Programming Fundamentals Course

(Jul.2023)

Ministry of Defense, Information Systems Institute

For Attending C++ Essentials Course

(Jul.2021)

Ministry of Defense, Information Systems Institute

For Attending C++ Professional Course

(Aug.2021)

Ministry of Defense, Information Systems Institute

For Attending Python Essentials Course

(Jul.2021)

Ministry of Defense, Information Systems Institute

For Attending Python Advanced Course

(Sep.2021)

Experiences

Volunteer at Robotec, Ain Shams University– Short-Term Internship – 2023

- Attended technical events and supported team activities.
- Took notes, handled basic admin tasks, and learned from real-world scenarios.
- Gained early insight into teamwork and technical environments.

Teaching assistant, Exploratory Center For Science & Technology – 2025

- Illustrated robotic principles and real-time behavior by guiding students through interactive demonstrations with various sensors and actuators.
- Simplified technical topics such as sensor integration, control loops, and basic robotics by breaking down complex terms and using relatable analogies.
- Guided students through building and programming LEGO robots, helping them connect real-world actions to coding logic.

Projects

Egyptian Marvels| Next.js, i18n, React Three Fiber

<https://egyptian-marvels.vercel.app>

- Developed a 3D interactive artifacts showcase website using React, Next.js, and React Three Fiber, allowing users to explore Egyptian marvels in detail.
- Implemented multi-language support (English & Arabic) with dynamic translations for artifacts data, maps, and site navigation.
- Optimized 3D model loading (.glb and .fbx) for performance on low-end devices, reducing load times while maintaining visual quality.

Portfolio Manager & Analytics Dashboard| Next.js, Supabase, Recharts

- Built a full-stack portfolio management dashboard using React, Next.js, and Supabase, enabling CRUD operations for projects and skill entries.
- Developed real-time session tracking and analytics, logging session start/end times and calculating average session duration.
- Tracked user interactions (social media icons, demo buttons) and connected analytics to the dashboard for actionable insights.

HC Mall Website| Next.js, Contentful

<https://www.hcfurnituremall.com/>

- Developed a fully responsive e-commerce website (HC Mall) using Next.js, React, Tailwind CSS, and Contentful, featuring a modern UI/UX with shops, categories, and “Hot Deals / What’s New” sections.
- Built an admin dashboard to manage shops, categories, and promotions, leveraging Contentful CMS for dynamic content management and role-based access control.
- Optimized performance for fast load times, SEO best practices, cross-browser compatibility, and accessibility, and deployed to Hostinger for scalable, production-ready hosting.

Portfolio Website| HTML, CSS

<https://ereny-alber.vercel.app/>

- Deployed the website using Vercel enabling free hosting and continuous deployment through version control.
- Implemented a fully functional contact form using HTML, CSS and Javascript, integrated with Formsubmit to handle email submissions, and added input validation to ensure accurate and complete user input before sending.
- Implemented and integrated custom analytics to track user interactions, session duration, and engagement events, providing actionable insights beyond standard tools.

Care Mate app| Flutter Framework, Dart Programming Language, Gemini API, Google ML kit

https://drive.google.com/file/d/1p_plDtFlN6ePUoRDYMMkWkVd3EHnbInW/view?usp=sharing

- Developed a dynamic food evaluation system that scores foods as “Good”, “OK”, or “Bad” based on user-specific medical data (age, gender, diseases, allergies), promoting personalized dietary awareness.
- Integrated local storage and notification scheduling to ensure persistent and timely medicine reminders, even when the app is offline.
- Implemented voice-enabled input and output to support users with visual or motor impairments reducing dependency on traditional interfaces.

Health Inspector | Arduino uno Board, Arduino C Programming Language

<https://drive.google.com/file/d/1xo3w4aFi7ZiDPRuT9s1Ea8OjyqCLHCue/view?usp=sharing>

- Programmed custom Arduino code to process sensor data, display real-time readings on an LCD screen.
- Integrated MAX30100 and DHT11 sensors for real-time biometric data collection.
- Optimized sensor data acquisition for accurate and stable vital sign readings.

Skills

Languages: Python, Dart, C#, C (Arduino), JavaScript, HTML, CSS

Frameworks: Unity engine, Flutter framework, Blender 3D, Next.js

Languages

Arabic: Native

English: Fluent