

MARIAM ABDELRHMAN

Competitive Programmer

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Computer Science student at Ain Shams University with a strong foundation in frontend development and IoT projects. Currently exploring full-stack development with a passion for building real-world tech solutions .

EXPERIENCE

Summer Frontend Web Development Training – FCIS, ASU August 2024 (2 weeks)

- Developed a final frontend project applying real-world design and development principles.
- Gained hands-on experience with HTML, CSS, and JavaScript, including modern and advanced JavaScript features.
- Built responsive and interactive web interfaces using Bootstrap and best UI/UX practices.
- Strengthened skills in web development workflows, code organization, and debugging.
- Collaborated in a fast-paced learning environment, enhancing teamwork and problem-solving abilities.

Smart Soil Monitoring IoT Project – Obour STEM School Oct 2022 – Jun 2023

- Collaborated with team members to design and implement an IoT-based environmental solution.
- Handled sensor integration, data accuracy, and connection to a cloud-based monitoring system.
- Gained practical experience in teamwork, problem-solving, and hardware-software integration.

PROJECTS

Library-Management-System

- Developed a Library Management System using OOP concepts like encapsulation, inheritance, and polymorphism.
- Implemented features for managing books, users, and lending operations through a clean class structure.
- Built a command-line interface using [Java] focusing on modularity and real-world simulation.

FurniStore-System

- Built a responsive web application for an online furniture store using HTML, CSS, JavaScript, and Bootstrap.
- Designed intuitive UI components for product browsing, filtering, and shopping cart functionality.
- Focused on modern, mobile-friendly design with smooth user interactions and clean code structure.

IoT Project

- Designed an IoT system to measure soil moisture and temperature using sensors and an ESP32 board.
- Sent real-time data to a mobile app via a cloud database (firebase) and using MIT App Inventor.
- Focused on low cost, high efficiency, and eco-friendly design to support sustainable agriculture.

Auction Management System

- Developed a role-based system for user authentication and admin role management, ensuring secure access.
- Built a dynamic auction and bid platform, allowing users to place bids and admins to create/manage auctions.
- Integrated secure payment processing and categorized items for easy browsing and smooth transactions.

EDUCATION

Bachelor of Science in Computers and Information Oct 2023 – June 2027
Ain Shams University CGPA: 3.5

TECHNICAL SKILLS

JavaScript	HTML	SQL
C++	CSS	Data Structures
Java	Bootstrap	Problem Solving