

# Ahmed Mostafa Mohammed

COMPUTER SCIENCE STUDENT | FLUTTER DEVELOPER

## Background

I am a computer science student with a passion for mobile and embedded system development and problem-solving. I have experience in C++, Dart, SQL, and other programming languages, and I possess strong teamwork and leadership skills, demonstrated in academic and personal projects.

## Education

**BACHELOR OF INFORMATION TECHNOLOGY AND COMPUTER SCIENCE.** 2023 – 2027

Sinai University, Egypt

## Experience

### PROJECTS

- **WALL•E (SMART WASTE ROBOT) 2024 – 2025**

I designed an autonomous robot to collect garbage containers in tourist areas. I used infrared sensors for path tracking, a servo-driven arm for automatic handling of garbage containers, and an ESP32 for control. Tech: C++, ESP32, and Arduino.

- **ONLINE EXAMINATION SYSTEM (OOP PROJECT) 2024 - 2025**

Designed and developed a console-based exam management system using **Object-Oriented Programming**. Included features for managing users (students & admins), adding questions, taking exams, and scoring. Focused on class structure, encapsulation, and file handling for persistent storage. **Tech:** C++, OOP.

- **RESTAURANT MANAGEMENT SYSTEM 2024 - 2025**

Conducted a full **system analysis and documentation** project for a restaurant management system. Created **Use Case Diagrams** and a structured **Software Requirements Specification (SRS)** document. Team project executed as part of academic coursework **Tools:** MS Word, UML Diagrams

- **PULSE GAZA – DISASTER RELIEF DATABASE SYSTEM 2024 - 2025**

Developed a complete **Windows Forms** desktop system to manage humanitarian aid data. Designed complex relations between victims, hospitals, and resources using **SQL Server**. Integrated forms for hospitals, resources, victims, and donations. **Tech:** C#, **SQL Server**, **ADO.NET**.

- **FLUTTER MOBILE APPS (ONGOING) 2024 - 2025**

Designing attractive mobile applications using Flutter. A Japanese language learning app. A news and weather app. Used: Dart, Flutter, APIs.

## Skills

- C++ Advanced
- Problem Solving
- HTML & CSS & JavaScript Fundamental
- CCNA
- Dart
- C# (Basics – Windows Forms)
- Flutter Development (Beginner to Intermediate)
- SQL Server

## CONTACT

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## LINKS

- **GitHub:** [github.com/AhmedMostafa2029](https://github.com/AhmedMostafa2029)
- **LinkedIn:** [linkedin.com/in/ahmed-mostafa-mohamed-720b20342](https://linkedin.com/in/ahmed-mostafa-mohamed-720b20342)

## LANGUAGE

- Arabic: Native
- English (A2 Level)