MAHMOUD ELDEMERDASH

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I am a Computer Engineering student specializing in mobile application development with hands-on experience in building and delivering real-world applications. Proficient in multiple programming languages such as Java, Dart, and C++, and skilled in frameworks like Flutter and AppSheet. Eager to expand my knowledge in mobile app development, and continuously enhance my skills by exploring new technologies and industry best practices.

EXPERIENCE

JAN 2024 – PRESENT

MOBILE DEVELOPER, FREELANCER

Using AppSheet Framework I managed to serve four applications:

- **JAN - FEB 2024** – Clinic management application for a surgeon.
- **APR 2024** – Clients management application for suit store.
- **JUN 2024** – Clinic management application for an eye doctor.
- **JUL – AUG 2024** – Employees management application for an HR department.

JUL 2022 – FEB 2024

IT, ABDELDAYEM GROUP (PART TIME)

Part time IT responsible for:

- Building and maintaining the group's network infrastructure.
- Automating work using google apps script.
- Managing all hardware and software technicalities.

FEB 2023

INTERNSHIP, SIEMENS ENERGY

Worked on designing and implementing various digital circuits projects:
- Water pumping system   - Traffic light system   - Numeric counters.

AUG 2022

INTERNSHIP, ECD (MH GROUP)

Implemented electrical infrastructure for NBE Elshrouk main branch.

2020 – **Present**

COLLEGE EXPERIENCE

❖ **Projects:**

- **Hardware Calculator –** (Feb – May 2024)
  - Collaborated with a team to build a fully functional hardware calculator using only logic gates (no controllers or code). The calculator performs addition, subtraction, multiplication, and division for numbers up to 15. It also features memory operations (M+, M-, M clear).
- **Dual-Mode Robotic Car (RC & Line Follower) –** (Oct – Dec 2023)
  - Worked with a team to Design and develop a robotic car capable of operating in two modes: RC mode (manual control) and Line Follower mode (using infrared sensors).
- **Memory card Game (Java, JavaFX) –** (Mar – Jun 2023)
  - As part of a team, developed a memory card game using Java and JavaFX. The project applied key OOP principles, ensuring a maintainable codebase. Built an interactive UI using JavaFX.

❖ **Student Activities:**

- **FLUTTER DEVELOPER,** ZIGZAG
- **HR,** ZIGZAG
- **AMBASSADOR,** IEEE
- **ELECTRICAL ENGINEER,** ZUFS
- **OPERATION,** TEDX ZU

2010-2020

VOLUNTEER, LIFE MAKERS, RESALA

Participated in every charity work in both organizations and was leader in:
- Fundraising team   - Karakeeb event (+1000 attendees) - Searching team

EDUCATION

2020 -EX 2025

CS ENGINEERING, ZAGAZIG UNIVERSITY

CERTIFICATES

- **Flutter Bloc and MVVM Pattern** by Tharwat Samy (Sep. 2024)
- **Flutter & Dart Development Course** by Tharwat Samy (Aug. 2024)
- **McKinsey Forward Program** (Jul. 2024)
- **Technical Support Fundamentals** (Aug. 2023)
- **Microsoft Office Specialist** Code: rLcW-uGFR   Nov. 2016

SKILLS

- Flutter framework:
  - Flutter widgets
  - Api using Dio package.
  - Cubit State management
- Android native basics.
- AppSheet, Google Sheets, Google scripts.
- Programming languages:
  Dart - Java - JavaScript - C++