

Mostafa Mahmoud

Software Engineer

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MostafaSensei106

SUMMARY

Software Developer with hands-on experience designing and developing innovative solutions using Python, Flutter, and OpenCV. Passionate about exploring new technologies, committed to delivering high-quality, user-centric software. Fluent in English and Japanese, with strong problem-solving and teamwork skills.

WORK EXPERIENCE

Flutter Developer [Volunteer]

2024-08 – 2024-08

Lothga [↗](#)

Jeddah, Saudi Arabia, SA

During the development of the "LothgaTablet" project:

- Developed the project's core and kernel features.
- Constructed a foundational system to support the application.
- Implemented an audio system to enhance user experience.
- Created a central database to integrate all games into a cohesive system.
- Enabled parental oversight of children's progress and provided extensive control over game content, including questions and visuals.

PROJECTS

Tadamon App

2024-05 – present

Flutter

- Designed an application to verify product barcodes and screen companies for ethical concerns.
- Implemented machine learning algorithms for image analysis.
- Developed features to enhance reliability and ethical checks.
- Focused on identifying support for colonial entities and organizations engaged in activities against humanity.
- The application can be downloaded (Beta) [here](#) [↗](#).

Ko-Asobi106 [↗](#)

2024-05 – present

Python

- Designed an innovative platform combining classic games with computer vision for gesture and facial expression controls.
- Integrated OpenCV to create an interactive, user-friendly, and immersive gaming experience.
- Developed a flexible and educational framework to support learning Python and computer vision principles.
- Established a scalable, open-source system to encourage customization, community contributions, and future expansions.

XO-Game [↗](#)

2024-05 – 2024-05

Flutter

- Developed a simple tic-tac-toe (XO) game using Flutter.
- Implemented core game logic and user interface.

EDUCATION

Benha University [↗](#)
Bachelor of Computer Science

2022-10 – 2026-05 | Benha, Egypt

TECH SKILLS

- Flutter
- Dart
- Kotlin
- C++
- Java
- Python
- TypeScript
- Next.Js
- Fast API
- OpenCv
- Version Control : Git
- Hardware Maintenance Knowledge
- Networks (CCNA)

CERTIFICATES

- The Complete Dart Development Guide [↗](#)

LANGUAGES

- Arabic
- English
- Japanese
- Dutch