

Mohamed Ayman Hosny

6th October, Giza, Egypt | mohamedayman011324@gmail.com | +20 1110891735

Portfolio: mohamedayman.me | [GitHub](#) | [LinkedIn](#)

SUMMARY

I am a proactive Computer Science student with proven experience in full-stack mobile development, deploying and managing applications with over 25,000 users. Specializing in Flutter, Python (Backend), and scalable cloud infrastructure, with hands-on experience in DevOps practices. Seeking a challenging role to contribute my full-stack mobile and DevOps expertise to building and scaling impactful products.

EDUCATION

Misr University for Science and Technology (MUST)

Bachelor of Computer Science

Expected Graduation 2028

SKILLS

- **Programming Languages:** Dart (Flutter), Python, SQL, C++
- **Frameworks/Tools:** Firebase, FastAPI, Provider, SQLite, Shorebird, Git & GitHub
- **Cloud/Platforms:** AWS, OCI, Azure, Cloudflare, Linux
- **Languages:** Arabic (Native), English (Fluent)

PROJECTS

Flexify:

Engineered and scaled a mobile wallpaper app to over **25,000 users**, earning a consistent **4.9+ star rating** on the Google Play Store by building its complete full-stack architecture. The front-end, developed with **Flutter**, featured a modern UI design with fluid animations, multi-language support, **Provider** for state management, and a local **SQLite** database. For the backend, a high-performance **Python/FastAPI** REST API was developed and deployed on an **Oracle Cloud Linux VPS** to manage data extraction, image color analysis, and API caching. User engagement and delivery were streamlined using **Firebase** (Analytics, Push Notifications, Remote Config) and **Shorebird** for instant OTA updates. The entire service was globally secured and accelerated by **Cloudflare**, providing crucial DDoS protection and CDN caching.

Hadith Searcher:

Engineered a **Flutter** app to solve the complex challenge of searching and verifying hadiths, resulting in a perfect **5-star rating** on the Google Play Store from over **400 users**. Utilized a RESTful API for advanced search capabilities and implemented local **SQLite** for offline access and data persistence. The design was specifically tailored for high readability and intuitive navigation, addressing a key user need in scriptural study.

EXTRACURRICULAR ACTIVITIES

Led my team in ECPC (2025), solving advanced algorithmic challenges in C++ under timed conditions. Strengthened teamwork and data structure problem-solving.

CERTIFICATIONS

- HCIA Cloud Computing, Huawei & NTI (April 2025)
- Embedded Linux, GDGC Al-Azhar (May 2025)