HASSAN SHABAN

Giza, Egypt 12942 | +20 1062227714 | Hassan.Shaban.Harera@gmail.com | LinkedIn | GitHub

EDUCATION

FCAI – BANI SUEF UNIVERSITY, EGYPT   *Sep 2018 – Present*

Computer science student in the fourth year, studying data structures, algorithms, databases, mobile development, software engineering, operating systems, mathematics, statistics, and machine learning.

PROJECTS

INSTA
- Social network Android app using Kotlin.
- I used Jetpack Compose technology for design, MVI, and MVVM for architecture, Firebase for remote database, coroutines for concurrency programming, dagger for dependency injection and hilt for testing.
- I followed clean code, SOLID, separation of concerns using the repository pattern and TDD.

HYPER-PANDA
- E-commerce Android app. Shows the shop offers, categories, and products for each category. The user can search, add items to the Wishlist or Cart, delete them later, can make an order when he is logged in using a phone number, follow orders state open the shop located on the map, get a discount from QR code.
- Utilized: Kotlin, MVP, SOLID principles, Repository pattern, Navigation component, phone authentication, Google Maps, QR scanning.

DWAA
- Native android app for donating and selling redundant medicines. The first app of this type in Egypt. Users can add some medicine, browse medicines, search with detailed filters and sorting.
- Utilized: UI Animation, Dagger, TDD, Coroutines, Repository pattern, MVVM.

Achievements

Problem Solving
- More than 400 problems Solved in different online judges.

Algorithms
- I have implemented most of the common data structures and algorithms.

SKILLS

- Java & Kotlin & Python
- Problem Solving
- Data structure & Algorithms
- Databases (Relational & NoSQL)
- Android Development
- S.O.L.I.D principles & Clean Code
- GIT & GitHub
- Concurrent Programming using Coroutines
- REST Calling & Retrofit
- ORM using Room Library
- Architecture Patterns MVC, MVP, MVVM
- Software desing

LANGUAGES

- Arabic (Native)
- English (very go