

Yousef Elkammar

Student at Faculty of Computers and Information Sciences, Ain Shams University.

A Computer Science undergraduate who's comfortable using Kotlin, Java, C++, Python, Flutter, SQL and Source Control. I want to put my skills to develop an outstanding applications for common use.

Work History

Android Committee member.

2021-Sept – Current.

MSP-Tech Club -ASU, Cairo.

- Learning basic and trending technologies in Android App development as Architecture Patterns, Design Patterns, Multi-threading (Coroutines), Retrofit, Room DB, Dependency injection and Clean Architecture.
- Delivering weekly tasks and projects on time.
- Making comprehensive project that includes all what we learned.
- Improving soft skills as we practice and lecture every session.

Advanced Android Trainee.

2022-Aug – Current.

MCIT-EgFWD, Udacity.

- Nanodegree track in which I learn by Google's experts to develop Android applications with latest technology such as Data and view Binding, Clean Architecture, Design principles (Motion layout, Canvas custom views and Property Animation) Google maps and Testing.
- Obligated to make a project every 2 weeks to implement what I learnt in that period that gets reviewed by Udacity team.
- Learning basic skills such as Version Control, Agile and freelancing.

Mobile Development Trainee.

2022-Jul - 2022-Aug

Faculty of Computers and Information Sciences, Ain Shams University.

- Collaborated with 2 colleagues to develop notes application.
- Practiced Java, SQLite, MVVM, Single Activity, Navigation component and other material design widgets.
- Mentored colleagues to make them comfortable in Android development trends.

Registration Team Member (Volunteer).

2022-Feb – 2022-April.

ASU Career Center, Cairo.

- Adhered to organization procedures and instructions to maintain safety for program participants and other workers.
- Met with other volunteers and program leaders to discuss new service opportunities.
- Responsible for evaluating sign up requests and signing people in.

Mobile Development Trainee.

2022-Feb - 2022-Mar

Information Technology Institute (ITI).

- Developed a to-do application with responsive design.
- Acquired certificates of completion of Mobile Application Development using Java, SQLITE and Freelancing courses from Mahara-Tech.

Mobile Development Intern.

2022-Feb - 2022-Mar

The Sparks Foundation, Remote

Web Development Trainee.

2021-Jul - 2021-Aug

Faculty of Computers and Information Sciences, Ain Shams University.

- Collaborated with 3 colleagues to develop pharaohs website.
- Learned HTML5, CSS3, JavaScript, PHP and Apache Live Server.

Contact

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LinkedIn

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Github

<https://github.com/RedBiscuits/>

Skills

Java.

Used daily in **android development**.
Implemented in: **Blackjack, To-do list, Login app** and **Carbon** (chat app).

Kotlin.

Used in **android development**.
Implemented in: **Carbon**.

Python.

Used in **AI** and **machine learning**.
Implemented in **Muzify** music app, **Heart Failure Prediction, Statistical Analysis** and **AI** Curriculums.

C++.

Used in **problem solving**.
Implemented in Flappy Bird game's engine and graphics, Data Structures and problem solving

OOP.

Used in **Android** and **DS**.
Implemented in **To-do List app, Login app** and **Android development**.

Design Patterns

(SOLID and Singleton).

Used in **daily development**.
Implemented in **To-do List app, Login app** and **Carbon**.

Architecture Patterns

(MVC, MVP, MVVM).

Used in **Android**.
Implemented in **To-do List app, Login app** and **Carbon**.

Android Development.

Implemented in: **To-do List app, Login app**, **Carbon** and daily practice.

Source Control.

Used in **daily projects** and **development**.

Problem Solving.

Used to **develop constructive thinking**.

REST APIs (Retrofit).

Used in **Android Development**.
Implemented in: **Login app**.

Education	
Sophomore B.Sc.: Computer Science (Mainstream). 2020-10 - Current <i>Faculty of Computers and Information Sciences - Ain Shams University.</i>	
<ul style="list-style-type: none"> GPA: 3.3. Awarded Certificate of honor for Flutter 22'midyear workshop best project (1st). Awarded Certificate of honor for Structured Programming best project (top 5). Specializing in Computer Science department. 	
Certifications	
2022-02	Certificate of honor for Flutter best project (1st).
2021-08	Certificate of honor for Structured Programming best project (top 5).
2022-03	Certificate of attendance for Git/Github source control workshop.
2022-02	Certificate of attendance for Flutter workshop.
2022-02	Certificate of completion for JavaSE development course.
2022-03	Certificate of completion for Android App development course.
2022-02	Certificate of completion for Database Fundamentals course.
Projects	
Carbon (Android chat application): 2022-3 to 2022-5. Java, Kotlin, Firebase, Design patterns (SOLID, Singleton), Architecture Patterns (MVC and MVVM). Chat application that mimics WhatsApp with its most important features (video calls, stories, one-to-one chat, login, RTC connection and phone verification) Was made for college Data Structure curriculum.	
Muzify (Music player and downloader): 2022-2 to 2022-3. Dart, Flutter, SQFLite, Python3 and Flask. Music player and downloader that has its own backend on local device as it queries YouTube through its URL and downloads the required song as mp3 without any Ads and 1 time download then it's possible to play the songs through built-in music player.	
Notes application: 2022-8-25 to 2022-2-28. Java, SQLite, MVVM, Navigation Component, Google Material Design. A Single Activity application that takes user notes and save them in local database made with Clean Architecture, View Binding, MVVM, SQLite and Google Material Design widgets.	
To-do-List (Android): 2022-2-12 to 2022-2-28. Java, SQLite, MVC and Google Material Design. Task managing app which facilitates mentoring tasks.	
Flappy Bird game: 2021-3 to 2021-5. C++, SFML. Flappy Bird remake with C++ and SFML library from scratch, game engine and graphics were also remade.	
Pharos website: 2021-7 to 2021-8. HTML, HTML5, CSS, JavaScript, PHP and Apache. Website that shows Egypt's scenic spots with the availability to book tickets in Egypt.	
Heart Disease Prediction models: 2021-11 to 2021-12. Python3, Sickit-learn and seaborn. Program that predicts heart failure based on medical tests with accuracies of 91%, 78% and 55% for Decision tree, KNN and multiple linear regression respectively.	
Android app design. Designing apps that matches all screens with latest material design widgets.	
Familiar with XML, JSON and HTML. Experienced with offline storage , Threading and performance tuning .	
SQLITE and RoomDB. Used in Applications Development (Flutter and Android). Implemented in: Muzify , Notes and To-do List app .	
Flutter. Used in Applications Development. Implemented in: Muzify .	
Web Development. Used to make Pharaohs Website and GitHub portfolio .	
Software Development Lifecycle. General knowledge of how software products are made	
Relational Databases. Used in Application Development. Implemented in: Restaurant Management System , To-do List app and Pharaohs website .	
Research. Able to search and extract information without previous knowledge.	
Public speaking. Used to discuss projects , lecture , and handle customers in earlier jobs.	
Team collaboration. Used to be team leader in college projects when I'm the best fit for and collaborate with colleagues and fellows in MSP.	
English. Professional level (spoken and written). Used daily in studying fields , Communication and technical writing .	