Internship Report

Introduction:-

I would like to share my experience at Banque Misr internship for August month in this report. The objective of this internship was to learn the basics needed for IOS development using xcode. I highly recommend this internship to anyone interested in the Mobile Applications' track, as they will learn a new skill that is highly needed in companies nowadays. This will also help them see what post graduation life look like, and how competitive work can be.

Description of the company:-

Banque Misr is indeed one the highest trusted banks in Egypt. Millions of people invest their money at Banque Misr. They have recently created a whole new department which is Digital Factory. Digital Factory includes almost all development tracks from Web to Backend, Mobile Applications, data science and other tracks. They created the Digital Factory to cope with the new digital revolution, especially needed after the Corona pandemic since everything went online. Banque Misr is willing to educate GUC students in different majors CSEN, BI, Business the fundamentals and the concepts needed for jobs, those can not provided by universities. This can help students to start off their career from young age either part time jobs offered by Banque Misr itself or starting a freelancing career or an agency related to development. The company aims to delivering the best and easiest service to their customers trying to reduce the number of people going to the bank's branches avoiding the terror of catching diseases and reducing their employee's stress levels from work by creating a system online with specific tasks that can be done at home such as balance check and cash transformation from an account to another.

Internship Activities:-

We had a 2 hours session daily from Sunday to Thursday for questioning and analyzing tasks that was held by Banque Misr instructors which was really helpful. After a 1 hour break, we get another 3-4 hours session to discuss new topics with NTG, a technological company, professor and instructors. There were daily tasks to practice the daily lessons we had. The tasks included dealing with UI design by adding features to the storyboard that will appear to the user at the end. We had to deal with constraints that must be applied to ensure an application works correctly fitted to the device for every IOS device such as IPhone and IPad and for every IOS version since not every user has an up to date version. We learned Swift, a programming language used for xcode, the software used to create an IOS app. We got to learn different concepts such as Swift's data structures and a database type used for applications called Core Data which is a local database only saved to the app locally not on a cloud. Our tasks were to try creating a UI for different applications. Our graduation project was to create an IOS application responsible for online food shopping called "Akalat" applying all concepts we learnt. Whilst doing the project, we had the chance to join daily sessions privately with instructors that helped us throughout the process.

Software Used:-

Xcode

Concepts Learned:-
1-Core Data
2-Object Oriented Programming
3-Data Structures

Internship Evaluation:-
In this internship, I learnt how to develop an application for IOS with an eye catchy UI design and a local database needed for registration of a user and their actions made using the app. The internship was challenging yet helped me develop a new skill and have a broader vision of how work life can be, and whether I can focus on the development track or not. The instructors were really friendly and helpful. I couldn't have made the app without their assistance. I had a meeting with one of the department's manager, and he was really down to Earth and listened to my career vision carefully while confronting me on how choosing a track can be confusing. He gave me some great advice!

Conclusion:-
I can guarantee how helpful this internship can be to any student willing to apply. I even encouraged a friend of mine to apply, and he joined the second wave for "Digitory Summer Internship" as an IOS developer as well. I believe this internship unleashed some skills and qualities I had but knew nothing about. This month can help a GUC student to much better career. Banque Misr is investing in young people by granting them the skills and information they undoubtedly need.

You can find screenshots from the application provided in this pdf!