

Mahmoud Elsharkawy

01202776038 · eng.mahmoud.sh.77@gmail.com

Alexandria ,Egypt



IOS SOFTWARE ENGINEER

As a Senior Computer Science student and iOS Developer. always try to gain more experience and build strong applications. I work on improving my skills and keeping up with the latest updates in the tech world.

SKILLS

Communication skills
computer skills
team work
Microsoft Office
Problem Solving

swift
c++
java
python
c#
OOP
POP
APi
Version Control

Ui kit
swift ui
Realm DB
Firebase
Core Data
Ui / Ux
Architecture Patterns
Memory Management
Solid Principles

EXPERIENCE

➡ Technical at MAMCPC

Apr 2022 - May 2023

➡ Contest of Ecpc 2023

Aug 2023

➡ internship iOS Developer at Banque Misr

Jul 2024 -Aug 2024

- Developed a Swift-based iOS application with a modern UI/UX design, integrating third-party libraries.
 - Improved user engagement by 20% through optimized interface design.
 - Implemented agile methodologies like Scrum Master practices.
 - Ensured quality with automated testing, secure authentication, Core Data for data management, and a RESTful API for backend connectivity.
-

EDUCATION

➡ **Modern Academy**
Bachelor of Computer Science

2022 - 2025

CERTIFICATES

➡ **iOS Development with swift**
Mahara Tech

➡ **iOS Architecture pttrens**
Mahara Tech

PROJECTS

Speedo Transfer (Graduation Project - Banque Misr Internship)

- **Role:** iOS Developer
- **Technologies:** Swift, UIKit, CocoaPods, Restful APIs, MVP Architecture
- **Project Description:** Developed an iOS application enabling users to transfer money seamlessly. Leveraged Restful APIs for backend communication, and integrated third-party libraries using CocoaPods to enhance app functionality. Implemented the Model-View-Presenter (MVP) architecture to ensure a clean and scalable codebase. The project was successfully completed as part of the Banque Misr internship program.

Movie App (Banque Misr Internship)

- **Role:** iOS Developer
- **Technologies:** Swift, Alamofire, MVC Architecture
- **Project Description:** Developed an iOS application that retrieves feature data from APIs, enabling users to search for movies, TV shows, and series. Integrated Alamofire for efficient networking and implemented the Model-View-Controller (MVC) architecture to maintain a structured and organized codebase. This project was part of my internship at Banque Misr.

Chat hub App

Project Description: "Chat Hub" is a chat application developed using Swift, designed for instant messaging between two devices. It features a simple and intuitive user interface.

Key Features:

- Instant Messaging: Quick and effective text message exchange.
- User-Friendly UI: Clean and modern design.

Technologies Used:

- Swift & UIKit
- Firebase Firestore for data storage
- Firebase for backend communication

Roles and Responsibilities:

- Designed the UI using UIKit.
- Developed application logic with Swift.
- Integrated Firebase for data management and communication.

TODO List App

Project Description: A To-Do List application developed using Swift, designed to help users manage and track their daily tasks efficiently. The app features an intuitive user interface and robust data storage.

Key Features:

- Task Management: Create, update, and delete tasks.
- User-Friendly UI: Simple and modern design for easy navigation.
- Persistent Storage: Tasks are saved locally using Core Data.

Technologies Used:

- Swift & UIKit
- Core Data for local data storage

Roles and Responsibilities:

- Designed and implemented the user interface using UIKit.
- Developed application logic with Swift.
- Implemented data storage and management using Core Data.

Project Outcomes: The To-Do List application enhanced users' productivity by providing a reliable tool for task management with a positive user experience.

Arab News App

Project Description: "Arab News" is a news application developed using Swift, designed to deliver the latest news to users by fetching updates through an API. The app features a simple and attractive user interface for easy news browsing.

Key Features:

- News Updates: Display the latest news from reliable sources.
- User-Friendly UI: Modern and easy-to-use design for seamless navigation.

Technologies Used:

- Programming Language: Swift
- Framework: UIKit
- Networking Services: API integration to fetch news updates.

Roles and Responsibilities:

- Designed and implemented the user interface using UIKit.
- Developed application logic and backend structure using Swift.
- Integrated API to fetch the latest news.