

# Mohamed Melek Chtourou

Mobile Development Engineer

Esprit Private Higher School of Engineering and Technologies, Tunisia

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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### •Bachelor of Technology and Engineering(Mobile Development)

Sep 2018 - Nov 2023

*Esprit Private Higher School of Engineering and Technologies, Tunisia*

## EXPERIENCE

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### •Fullstack Developer

*Orange Digital Center*

*Swift, Javascript, MySQL, Git*

February 2023 - August 2023

- Developed a mobile application using SwiftUI.
- Collaborated closely with an interdisciplinary team to ensure project success.
- Consumed APIs from the backend to integrate dynamic data into the application.
- Created and implemented a Node.js server to manage server-side functionalities of the application.
- Proactively resolved technical issues and performed continuous maintenance of the application and server to ensure stability and performance.

### •iOS Frontend Developer Internship

*Esprit Private Higher School of Engineering and Technologies*

*Swift, Git*

Aug - Nov 2022

- Created user interfaces using storyboards for seamless navigation on various iPhone models from 4s to iPhone 13.
- Implemented responsive design with auto layout to ensure optimal user experience across different devices.
- Consumed APIs from the backend to integrate dynamic data and enhance app functionality.
- Tracked and implemented designs from Figma, ensuring fidelity and consistency in the final product.
- Participated in interviews with the Mobile Spirit team to validate and discuss key project points.
- **Technologies Used:** Xcode, Swift, and other iOS development tools.

### •Mobile Full Stack Developer Internship

*Future Proof*

*Dart, Java, GraphQL, Git, Docker*

Juin - Aug 2022

- Integrated into a team using the agile methodology for efficient collaboration and project delivery.
- Utilized Jira for creating tickets, ensuring organized and structured task management.
- Executed query creation and mutation with GraphQL to optimize data retrieval and manipulation.
- Developed backend services using Spring Boot to enhance the overall functionality of the application.
- Implemented and consumed created services in the frontend using Flutter for a seamless user experience.

### •Full Stack Developer Internship

*SW Center*

*Symphony, MySQL, Git*

Juill 2021 - Sept 2021

- Designed a web platform using Symfony, ensuring a user-friendly and functional interface.
- Modeled the database in accordance with customer requirements, optimizing data structure for efficient use.
- Identified and resolved site problems, demonstrating problem-solving skills and maintaining site reliability.
- Added new technical features to enhance the platform's capabilities and user experience.

### •Technician Internship

*Digital Research Technologie*

*Python, Git*

Juill 2020 - Aug 2020

- Conducted research and documentation on Speech Recognition Testing libraries, contributing to the understanding and evaluation of speech recognition technologies.
- Developed models using Python for speech recognition, demonstrating proficiency in machine learning techniques.
- Tested developed models on Tunisian films, providing practical insights into the application and effectiveness of the technology.

## PERSONAL PROJECTS

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### •TESA E-sport App

Sep 2023 - Present

An application developed for E-sports enthusiasts in Tunisia in collaboration with TESA.

Dart, Javascript, MySQL, Git

- Facilitates access to player rankings, allowing users to stay informed about the performance of registered players.
- Enables tracking of ongoing tournaments, ensuring users are up-to-date on the latest results and schedules.
- Delivers timely news updates related to E-sports in Tunisia, keeping users informed about the latest developments and events.
- Provides a comprehensive ranking system, giving users insights into the overall standings and performance trends.
- Technologies Used: Flutter, Mysql, NodeJs, Firebase.

### •Interactive Student Dashboard App for Esprit

Juin - Aug 2022

An IOS app to access the university site to check grades / submit paper requests

Swift, ArKit, Git

- Provides a centralized hub for students to access the university website, submit paper requests, and check their grades.
- Implements card-based authentication using the camera, enhancing security and user convenience.
- Incorporates augmented reality (AR) for interactive features after successful student card recognition.
- Technologies Used: Swift, AR frameworks.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Swift, Dart, Javascript

**Frameworks:** Flutter, Node.js

**Cloud/Databases:** MongoDB, Firebase, Relational Database(MySQL)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Areas of Interest:** Developing Mobile Apps, Server Development

**Soft Skills:** Problem Solving, Self-learning, Adaptability