

Software engineer/student who enjoys designing and developing mobile apps. Mainly interested in Flutter but I am always open to new challenges.

EDUCATION

Software Engineering graduate degree

South Mediterranean University MedTech
(January 2022 - Present)

Full ride Excellence Scholarship Awardee

Computer Science undergraduate degree

ISSAT Sousse (January 2020 - June 2022)

EXPERIENCE

Flutter Mobile App Developer

Enova Robotics

03/2022 - 06/2022

Flutter developer for Enova Robotics' Security Robot mobile application as part of my end-of-studies internship.

- Collaborated in the UI desing **Adobe XD / zeplin**.
- Fully developed the UI including **responsive design, theming**, and **dynamic UI** based on runtime control flow and conditions using **Flutter**.
- State management experience with **GetX**.
- Connected the app to the robot and parsed the incoming data streams using **WebSockets**.
- Implemented **WebRTC** for the robot's video stream.
- <https://github.com/Sarraj-Sahar/Robot-Control-App>

Flutter Mobile App Developer and UI Designer

Xypnos Labs

07/2021 - 11/2021

Flutter Mobile App developer :

- Led the modeling (**UML**) and design for both the mobile and desktop versions of the app using **Adobe XD**.
- Fully developed the mobile app with **Flutter**.
- Worked with **REST APIs**.
- **Check out a snippet of the apps's design here :**
<https://github.com/Sarraj-Sahar/Xypnos-Labs-Training>

Flutter Front-end Developer Intern

Thnity

04/2021 - 05/2021

Flutter Front-end developer :

- Developed components of the **UI/UX** for the mobile app.
- Implemented and worked with **Google Map APIs**.
- Solid understanding of **Agile Scrum** methodologies by imploying tools like **Jira, Trello, bitbucket**.

ORGANIZATIONS AND CLUBS

SMU Google Developer Student Club (2022-Present)

SMU IEEE Student Club (2022-Present)

Flutter Tunisia Community (2021 - Present)

North American Tunisian Engineers Group(2021 - 2022)

Technical SKILLS

Languages: Dart , JavaScript, Kotlin, Java, Python 3, C , HTML/ CSS , SQL.

Frameworks: Flutter, React.js, React Native, Node.js

Developer tools: Git ,VS Code, Android Studio, Docker.

Programming & SE skills: OOP, Data Structures, Architectural Design Patterns.

Databases : MySQL , Firebase, MongoDB.

Operating Systems: Windows , Linux.

PERSONAL PROJECTS

Personal Portfolio

- My personal portfolio.
- **Technologies:** Flutter, Flutter web
- <https://sahar-sarraj.vercel.app/>

Indoor Navigation app

- Mobile app for indoor navigation on campus using **shortest path algorithm**.
- **Tasks :** Scrum master, organizing and maintaining branches in Git, working off Figma designs, sprint planning
- **Technologies:** Android, Kotlin, Arcore, Firebase

Diabetes Prediction Web App

- Developed and implemented a machine learning project for diabetes prediction using RandomForestClassifier.
- **Technologies:** Python , Sklearn, Streamlit
- https://github.com/Sarraj-Sahar/Diabetes_Prediction_App

Talk-Talk chat app

- Built a chat app with java and Firebase real-time database for user authentication.
- **Technologies:** Java , Firebase
- <https://github.com/Sarraj-Sahar/Talk-Talk-Chat-App-with-Java>

Real-time Traffic Detection app with Python

- This traffic detection works by detecting cars and pedestrians in real-time.
- **Technologies:** Python , OpenCV
- https://github.com/Sarraj-Sahar/Traffic_detetctor_with_python_and_openCV

Interests

- **Open source contribution:** You will always find me on the Flutter github repo, raising issues and constantly trying to contribute to the community.
- **Augmented reality:** Currently learning about AR technologies like ARcore and SceneView and how to integrate them into mobile apps.