Sahar Sarraj

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

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EDUCATION

Software Engineering degree
South Mediterranean University MedTech
(January 2022 - Present)
Full Tuition Excellence Scholarship Awardee

Computer Science undergraduate degree
ISSAT Sousse (January 2020 - June 2022)

INTERNSHIPS

Flutter Mobile App Developer (4 months)
Enova Robotics
03/2022-06/2022   Sousse, Sahloul

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.

Flutter Mobile App Developer and UI Designer (4 months)
Xypnos Labs
07/2021 - 11/2021   Sousse, Sahloul

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   Remote

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 Team and ***EFS*** *(engineering for society) member*

Technical SKILLS

Languages: Dart , JavaScript, Java, Python 3, C , HTML5, CSS3 , SQL

Frameworks and tools: Flutter, React.js, React Native, Android Studio, Git /Github, Figma, Postman, Docker

Programming & Data Science skills :
Object-Oriented Programming, Data Structures

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 (present)
- mobile app for indoor navigation on campus using a "shortest path algorithm".
- **Tasks :** Kanban board, organizing and maintaining branches in Git, working off of Figma designs, sprint planning
- **Technologies**: Android, Kotlin, Arcore, Firebase
- *https://github.com/Sarraj-Sahar/Indoor-Navigation*

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 with Java and Firebase
- Built a chat app with java and Firebase real-time database for user authentication.
- **Technologies**: AndroidStudio 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*

Wassalni mobile app
- Flutter app includes Geolocation features by implementing Leaflet APIs (map)
- **Technologies** : Flutter , leaflet API
- *https://github.com/Sarraj-Sahar/Wassalni-app*

Languages

- Arabic *Native*
- English *Full Professional Proficiency*
- French *Full Professional Proficiency*