Souhail Idris Chenaoua

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Education & Qualifications

King Fahd University of Petroleum and Minerals   **Dhahran, KSA** 2017 - 2023
BSc Computer Science with Artificial Intelligence
Modules: Programming & Algorithms; Mathematics for Computer Science; Computer Fundamentals; Systems & Architecture; Fundamentals of Artificial Intelligence; Software Engineering; Databases & Interfaces

Technical Skills

Programming Languages known & Other Skills:

- Java
- Python
- Assembly
- Web-dev (HTML, CSS, JavaScript)
- Solidity
- Design & Analysis of Algorithms.
- Utilization of Data Structures.
- SQL- RDBMS and database theory
- Flutter
- Angular

Work Experience

Amwal Tech – Flutter Developer   **Riyadh, Saudi Arabia** July2023 – Oct 2023

- Developed and released an open-source Flutter package/plugin for integrating Amwal payment methods (https://pub.dev/packages/amwal_pay). Including documentation for usage to easily incorporate the Amwal payment methods.
- Improved the documentation and formatting for JustPassMe (https://www.justpass.me), resulting in a more organized and user-friendly resource for developers.
- conducted extensive testing on JustPassMe documentation, discovering and fixing a variety of problems with its completeness, accuracy, and clarity.

Taurus - Intern - Software Developer   **Jeddah, Saudi Arabia** June2022 – Aug2022

- Prepared software requirement specification document(s) to request for a proposal. For a real estate investment project.
- Collaborated with graphic designers to design a front-end interface for a cross platform application for mobile & tablet(s) via Figma.
- Programmed a beta version of the application in Flutter that is optimized for mobile and tablet devices on both iOS and Android. Utilize Firebase as well to retrieve user data and show it on the Google Analytics dashboard.

Talents - Ithra Academy - Communication & Coordinator   **Dhahran, Saudi Arabia** Oct2021 – Jan2022

- Communication member of the Ithra Academy & Ithra Academy representative.

Projects:

Machine Learning & Pattern recognition (AI):

- Established a user-friendly graphical user interface that enables users to upload training and test sample drawings in bits (black or white). The written number and its digits are then successfully recognized by the application.

Machine Learning:

- Incorporated machine learning algorithms on an incomplete dataset. Filling in the dataset with one of the data manipulation techniques.
- Established 7 learning algorithms on the training set & predicted on the test set. Additionally, retrieve the performance accuracy, F-1 score, weights & the best hyperparameters for each model using grid search.

Cryptography & Blockchain:

- Programmed a transparent crowd funding system for a project using smart contracts, where users can request investors for permission to make purchases & implement the smart contract onto a test chain.
- Constructed a simple web application using HTML, CSS & JavaScript. Connected the user's MetaMask wallet to the web browser via JavaScript.

Senior Project (Angular) - BaseTeam:

- Developed a senior project proposal for making a web application, a software tool for the human resource department. It is a product intended to expedite hiring processes https://baseteam.io/ .
- Prepared software requirement specification, senior design, senior project report document(s).

Miscellaneous

- Mined cryptocurrencies with GPUs and CPU to earn profit and trade on different trading platforms.

Languages

- Arabic - Native, English – Advanced Second Language.