

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

Projects:

Machine Learning & Pattern recognition (AI):

- Drafted a project utilizing handwritten digit pattern recognition and machine learning as its key features.
- 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).
- Formulated a clean front-end using angular. Used git to upload and retrieve the source code from the testing branch and the master branch.

Work Experience

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.

Sabic - Assistant Trainer

Jubail, Saudi Arabia Aug 2017 – Sep2017

- Engaged with students and maintained safety precautions.
- Conducted workshops about 3D printing & designing.

FABLAB Dhahran – Facilitator

Dhahran, Saudi Arabia Sep 2017 - Dec2017

- Conducted workshops about 3D printing machines, designing and laser cutting machines in both Arabic and English.
- Administrated visitors within the lab and provided a tour for the lab in both Arabic and English.

Talents - Ithra Academy - Communication & Coordinator

Dhahran, Saudi Arabia Oct2021 – Jan2022

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

Miscellaneous

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

Languages

- Arabic - Native, English – Advanced Second Language.