

# 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):

- Develop a project with the main feature of pattern recognition & machine learning of handwritten digits.
- By developing a simple GUI that allows users to upload training sample drawings and test sample drawings in bits (black or white). The program then can successfully recognize the written number and their digits.

#### Machine Learning:

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

#### Cryptography & Blockchain:

- Develop a smart contract using solidity & implementing on a test chain.
- Construct a simple web application using HTML, CSS & javascript.
- call functions & interact with the smart contract through web application.

#### Senior Project (Angular) - BaseTeam:

- Develop a senior project proposal for building a web application, a software tool for the human resource department. It is a product intended to expedite hiring processes <https://baseteam.io/>.
- Prepare software requirement specification, senior design, senior project report document(s).
- Develop a clean front-end using angular. and use 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

- Prepare a software requirement specification document(s).
- Design application front end.
- Develop a beta version of the application for both mobile/tablet & cross platform for both IOS & android in Flutter.
- implement firebase to retrieve user information.

### Sabic - Assistant Trainer

Jubail, Saudi Arabia Aug 2017 – Sep2017

- Engage with students and maintain safety precautions.
- As the youngest assistant trainer, I had to conduct workshops about 3D printing & 3D designing.

### FABLAB Dhahran – Facilitator

Dhahran, Saudi Arabia Sep 2017 - Dec2017

- Conduct workshops about 3D printing machines,3D designing and laser cutting machines in both Arabic and English.
- Administrate visitors within the lab and provide a tour in both Arabic and English.
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### Talents - Ithra Academy - Communication & Coordinator

Dhahran, Saudi Arabia Oct2021 – Jan2022

- Communication member of the Ithra Academy & Ithra Academy representative

## Miscellaneous

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

## Languages

- Arabic - Native; English – Advanced Second Language