

# Omar CHAABOUNI

## IT ENGINEER

COMPUTER NETWORKS AND TELECOMMUNICATIONS ENGINEER SPECIALIZED IN CLOUD PLATFORMS AND IOT AT INSA TUNIS, TUNISIA (CARTHAGE UNIVERSITY)



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## EDUCATION

### National Engineering Diploma (specializing in computer networks and telecommunications) National Institute of Applied Science and Technology (INSA Tunis, Carthage University)

09/2017 - Present

Tunis, Tunisia

#### Courses

- IoT
- Big Data
- Business Intelligence
- Devops
- Networks & telecoms
- Software engineering
- Cloud Computing
- Data Science

## WORK EXPERIENCE

### Junior Application Integration Consultant Talan Consulting

09/2022 - Present

Tunis, Tunisia

#### Achievements/Tasks

- Solve clients issues regarding their projects: Use of AWS, SQL, Python...

### IoT engineer intern(End of studies internship) Talan Consulting

02/2022 - 06/2022

Tunis, Tunisia

#### Achievements/Tasks

- Implementing an IoT cloud based solution for monitoring servers room with the use of the ESP32 board and DHT22 & MQ135 sensors
- Use of the NVIDIA Jetson Nano board for facial recognition
- AWS cloud architecture with use of AWS IoT Core, Kinesis Firehose, S3, SNS and OpenSearch for visualizations and dashboards etc...

### IoT developer intern

### Professional Management Consulting (PMC)

07/2021 - 08/2021

Sfax, Tunisia

#### Achievements/Tasks

- Development of a desktop application with Flutter providing telephone functionalities using the SIM900A card and designing, wiring, testing, interfacing, and using REST APIs.

### Part time job full stack web developer

### Vayetek

03/2020 - 08/2020

Tunis, Tunisia

Vayetek is a Startup founded in March 2017, innovative in the development of organizational and promotional solutions. (Angular and Laravel Stack)

#### Achievements/Tasks

- Realization of the administrator part and JWT authentication in the Eventizer platform
- Import and export in Excel files and access management.

## SKILLS



## PERSONAL PROJECTS

### COWS & BULLS: Reflexion game (Flutter & Firebase) (10/2021) [↗](#)

- [Reflexion / Puzzle game available on play store.](#)
- Usage of Firebase Authentication for authentication and Cloud Firestore as a database.
- Usage of streams and providers.

### Mobile diagnostic application and diagnostic aid concerning rheumatological diseases in favor of the institute Kassab Manouba (Flutter & NodeJs & MongoDB) (02/2021 - 05/2021) [↗](#)

- Implementing login and register using JWT authentication and protecting routes with authentication tokens.
- Creation of patient interfaces and doctor interfaces (+12 screens).
- Implementing a machine learning model as an extension to this work. The goal is to show how efficient machine learning is in predicting if a patient is diagnosed or not based on his record data provided by "Kassab Institute".

### Carpool web application (Angular & Django) (02/2020 - 05/2020) [↗](#)

- Creation of a "hoyhoy habbatni" carpooling web application after working on its UML diagrams.
- Implemented features : Login, register, add a post, modify a post, reserve a seat, profile page etc ...

### Rendez-vous vaccin (Html & CSS & JavaScript) (12/2020) [↗](#)

- Web application to manage the covid-19 vaccination campaign in Tunisia. This project was created during a 24H hackathon. My team and I got 2nd place, and it was after that adopted and developed by the Tunisian government ([evax.tn](#)).

## CERTIFICATES

AWS Cloud Practitioner (AWS) (09/2022 - 09/2025) [↗](#)

CCNA: Introduction to Networks (2020), Cisco [↗](#)

Scrum Foundation Professional Certificate (2020), CertiProf [↗](#)

## LANGUAGES

English

Full Professional Proficiency

Arabic

Native or Bilingual Proficiency

French

Full Professional Proficiency

Spanish

Limited Working Proficiency