

# ABDELWAHED REBHI

MSc. Computer Science Student

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abdelwahed-rebhi



## EDUCATION

Master's degree

Universität Passau

Oct. 2021 - Present

Passau, Germany

ICT Engineer

Higher School of Communications of Tunis (SUP'COM)

Sep. 2018 - Sep. 2021

Ariana, Tunisia

Preparatory cycle Physics-Chemistry

Preparatory institute for engineering studies of Monastir

Sep. 2016 - Aug. 2018

Monastir, Tunisia

## WORK EXPERIENCE

End of studies internship

HTWK Leipzig

Mar. 2021 - Sep. 2021

Leipzig, Germany

- Developing a real-time indoor positioning system for industrial environment based on ultra-wideband (UWB) technology.

Indoor localization

Two-Way Ranging (TWR)

DWM1001C

Computer Vision Intern

Sagemcom

Oct. 2020 - Feb. 2021

ElKram, Tunisia

- Developing an AI-based framework for detection and recognition of road signs, pedestrian crossing lines, and traffic lights.

Deep Learning

Computer Vision

TensorFlow

YOLOv3

AI Intern

Pixemantic

Jun. 2020 - Jul. 2020

Lac II, Tunis

- Developing a computer-vision based framework for multi-class classification to detect and recognize brand-logos.

Computer Vision

PyTorch

CNN

Transfer Learning

Network administrator

TCPC (Tunisian Collegiate Programming Contest)

Dec. 2019 - Jan. 2021

Tunis, Tunisia

- Installing and configuring software, hardware and networks.

## ACADEMIC PROJECTS

Apache Spark Project

SUPCOM

Nov. 2020 - Dec. 2020

- Developing a Real-Time Message Processing Application which takes data from stream data source to build an interactive dashboard.

Spark

Kafka

MongoDB

Dash

Crime Predicton Framework

SUPCOM

Nov. 2020 - Dec. 2020

- Developing a web application that can predict how likely a crime may happen on a certain day and at a specific location based on some features like age, sex, date, location, etc.

Data analysis

Python

React

The Entrepreneur Challenge of SUP'COM

SUP'COM

Mar. 2020

- Conception of a Business plan and a prototype of an innovative idea to scan vegetables and fruits and determine if the pesticide levels inside it are equal to normal rate or not.

Leadership

Teamwork

Project Management

Mobile Developement Project

SUP'COM

Nov. 2019 - Dec. 2019

- Developing an Android mobile application which is used to establish a daily link between the school and the parents of the students(grades, absences, etc.).

Android Studio

JAVA

Firebase

## SKILLS AND COMPETENCIES

PROGRAMMING LANGUAGES: Python MATLAB

C/C++

Java

JavaScript

MACHINE LEARNING TOOLS: Scikit-Learn TensorFlow

TensorFlow.js

PyTorch

OpenCV

Streamlit

BIG DATA: Hadoop MapReduce Spark Scala

Linux server

Routers

LAN

## Network Technician Intern

### Tunisie Telecom



Jun. 2019 - Jul. 2019



Kairouan, Tunisia

- Maintaining Telecom infrastructure and developing soft skills.

## CERTIFICATES

- Computer Vision YOLO Custom Object Detection with Colab GPU from Udemy

- Agile with Atlassian Jira from Coursera
- Deep Learning Specialization from Coursera
- Python Applied for Data science and AI from Coursera

- IoT Fundamentals : Connecting Things from Cisco
- CCNA1 and CCNA2 from Cisco

DATABASES:

MySQL

Firebase

MongoDB

OTHER TECHNOLOGIES:

Nodejs

AngularJS

FPGA

DOCKER

## LANGUAGES

- Arabic (Native)
- English (Certified, TOEIC)
- French (Professional working proficiency)
- German (Beginner)

## ORGANIZATIONS

IEEE Supcom Student Branch (05/2019 – 01/2021)

## HOBBIES

Reading

Cycling

Football

Playing Video Games