Ayman BENALI

Engineer in computer systems and decision support.

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Professional career

2018-Present **Data Scientist Jr**,
MyOpla, Tangier Free Zone.
- Creation of a platform to set up a tool to control and accelerate for managing the database.
- Creation of a platform to set up a tool to accelerate the integration of Fedex requests into Gescar ERP - Chabe Group
- Energy Pack Tracking System - Green Yellow - Group Casino.
- Technical tools : NodeJs, ReactJs, ExpressJs, Mysql, Docker, Git, RestApi

2018 **Data Scientist Jr (Master Graduation Project)**,
5 month internship, MyOpla, Tangier Free Zone.
- Creation of an algorithmic and mathematical model for the analysis and the processing of the audio files in order to extract arguments necessary to convince the customers to continue their purchases.
- Technical tools :Python, Shell, NodeJs, Pandas, Hadoop, TensorFlow, NLTK, Spacy, SKLearn, TFLearn.

Education

2016–2018 **Master Degree in computer systems and decision support**.
Sciences and technologies Faculty, Tangier.

2013–2016 **Bachelor of Computer Engineering**.
Sciences and technologies Faculty, Tangier.

2012–2013 **Scientific Baccalaureate, Option : Math Science (A)**.
Abi Rabie Sebti, Fnideq.

Projects

2020-Present **Face recognition system with only a picture**,
Identifying known faces with their names, also detect strangers as unknown and implemented on a Raspberry Pi.
- Technical tools : Python, Sqlite3, smtplib(gmail api), Tkinter, face_recognition, dlib, OpenCv.

2019 **Car Plate Detection System**,
Identifying car plate with a surveillance camera.
Detecting cars, detecting the plates position and extracting information from it (European plates).
- Technical tools : Python, OpenCv, Pandas, numpy, Tensorflow, YOLO V2, pytesseract, openalpr, Tkinter, Sqlite3.

2018 **Electric car project (TÜBİTAK Efficiency Challenge Electric Vehicle)**,
FABLAB, FST Tangier.

Object detection using classifier-based systems and a learning model (YOLO <You Only Look Once>). Detection and estimation of markings (white lines) from a Kinect camera on the vehicle.

Creating a dashboard indicating the speed, the energy consumed, the battery level, the external temperature, time, speed, the circuit, the driving mode (autonomous / normal), the battery temperature.
- Technical tools : Python, OpenCv, Pandas, Tensorflow,YOLO V2, Openkinect

Skills

Development

Programming C/C++/C-Sharp, Java, Python, PHP.
Mobile Android, React Native.
Web Frontend : HTML5, CSS3, JS, TS, ReactJs ...
Backend : Django, Flask, NodeJs.

Machine Learning & Algorithms

TFLearn, Sklearn, keras, Naive Bayes, SVM, Decision Tree, Ada Boost, K-means.
NLP : NLTK, Spacy.

3D Modeling & Image Processing

Blender, Unity, OpenCv, OpenGl, Vuforia, YOLO.

DB Management Systems

Talend DI, MYSQL, SQLite, Oracle
SQL Server(SSIS, SSAS, SSRS).

Languages

Arabic: Native.
English : Intermediate.
French : Bilingual.

Hobbies

Traveling, Basketball, Passion for Technologies and Information Systems.