ABDERRAZZAK BAJJOU

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Education

Mohammed VI Polytechnic University   Sep. 2020 – June 2022
Master Modeling and Data Science   *Ben Guerir, Morocco*

Sciences and technologies Faculty   Sep. 2017 – June 2020
Bachelor of Science in Computer Science   *Mohammadia, Morocco*

Al Khwarizmi High School   Sep. 2014 – June 2017
High school diploma   *Casablanca, Morocco*

Experience

Mohammed VI Polytechnic University   May 2021 – August 2021
Data Scientist Intern   *Ben Guerir, Morocco*

- Developed a web application in the form of a conversational agent which simulates medical consultations.
- Incorporated scripts using Python and JSon to collect User's personal information .
- Utilized Beautiful Soup to scrape Data from Clinical web pages.
- Created a Symptom Extractor using NLP methods and a prediction Model for possible diseases .

Sciences and technologies Faculty   April 2020 – July 2020
Data Scientist Intern   *Mohammadia, Morocco*

- Developed a mobile application using React Native to assist visually impaired people.
- Worked with Google Colaboratory to create a deep Learning Model for Optical Character Recognition.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Expo-Speech as a voice synthesizer and Expo as a development environment in order to visualize the application in both iOS and Android .

Projects

Bank Marketing Campaign Subscriptions Predictor | *Python, Flask*   April 2021

- Integrated, cleaned and prepped Data from a kaggle Competition .
- Used various Data Preprocessing tools and Machine Learning algorithms to establish a classification model that outperformed the available version .
- deployed the application on Herouku.

Covid-19 ABM | *Python,Mesa*   March 2021

- Builtd an Agent Based Model using Python and Mesa to simulate the spread of COVID-19 .
- Designed Agents and the interaction environment .
- Defined Agents behaviour and their Mutual Interactions .

Face Mask Detection | *python, open CV, TensorFlow*   January 2021

- Created a Real Time application using Python to detect no mask wearer on campus .
- Collected and Preprocessed images dataset .
- Trained and Tuned a Deep Learning Model for Image Classification.

Skills

Languages: Arabic : Native , French : C1 , English : C1 , German : B1
Programming : Python, Java, C, Matlab, HTML/CSS, PHP, JavaScript, SQL , TensorFlow, Keras, PySpark, MPI
Developer Tools: VS Code, Eclipse, PyCharm
Technologies/Frameworks/Cloud: Mlflow, FastApi, Talend, Cloudera, Hadoop, Ubuntu, GitHub, Microsoft Azure

Leadership / Extracurricular

Cyborgs Club **Mai 2021**

Instructor *Mohammed VI polytechnic University*

- Delivered a Three-hour Training session on Image Processing and OpenCV .

- Managed Image Processing and Edges Detection Workshops for 100+ members .

Science Week UM6P **November 2021**

Project Manager *Mohammed VI polytechnic University*

- Designed a Smart Robot Car .

- Developed a Computer Vision System to detect and recognize Traffic Signs and implement it on a Raspberry Card.

- Created a User Interface using Tkinter for Streaming and control commands.