

ABDERRAZZAK BAJJOU

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Education

Mohammed VI Polytechnic University

Master Modeling and Data Science

Sep. 2020 – June 2022

Ben Guerir, Morocco

Sciences and technologies Faculty

Bachelor of Science in Computer Science

Sep. 2017 – June 2020

Mohammadia, Morocco

Al Khwarizmi High School

High school diploma

Sep. 2014 – June 2017

Casablanca, Morocco

Experience

Mohammed VI Polytechnic University

Data Scientist Intern

May 2021 – August 2021

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 informations .
- Utilized BeautifulSoup 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

Data Scientist Intern

April 2020 – July 2020

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 Heroku.

Covid-19 ABM | Python, Mesa

March 2021

- Built 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 , French , English , German

Programming : Python, Java, C, Matlab HTML/CSS, Bootstrap, php, JavaScript, SQL , PLSQL, React Native

Developer Tools: VS Code, Eclipse, PyCharm

Technologies/Frameworks: Ubuntu, GitHub, LaTeX, Markdown

Leadership / Extracurricular

Cyborgs Club

Instructor

Mai 2021

Mohammed VI polytechnic University

- Delivered a 3 hours Training session on Image Processing and OpenCV .
- Managed Image Processing and Edges Detection Workshops for 100+ members .

Science Week UM6P

Project Manager

November 2021

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.