MARWANE HAMDANI

Football Data Specialist

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ACADEMIC COURSE

MSC Data Analytics in Football

University of Murcia

2023 - 2024 Sports Data Campus

Master's degree in Big Data and Internet of Things

ENSAM

2020 - 2022 CASABLANCA , MOROCCO

Bachelor in Computer Science

Faculty of Science and Technology

2016 – 2020 MOHAMMEDIA, MOROCCO

PROFESSIONAL EXPERIENCE

Research internship

National Superior School of Arts and Crafts

April 2022 – September 2022 CASABLANCA, MOROCCO

Face similarity degree calculation using artificial intelligence (TensorFlow,Keras,OpenCV...)

- Realization of a state of the art to have an idea on the recent methods adopted.
- Collection of a dataset dedicated to visual similarity.
- Cleaning and preparing the dataset to make it exclusive to the face similarity.
- Representation of faces in different spaces using different methods (VGG Face Embedding, Eigenface, OpenFace, FaceNet....).
- Compute the similarity between representations using different similarity metrics (Euclidean distance, Cosine similarity ...).
- Comparing the different representation methods and visualizing the results of each method with the metrics.

LANGUAGES

Arabic
French
English
Italian

PROJECTS

- Utilized Python to execute an ETL process, extracting multi-seasonal player data from FBRef and subsequently transforming it through data processing and normalization. Applied advanced analytical techniques, including cosine similarity and PCA, to identify lesser-known players mirroring the performance attributes of top talents in the top 5 football leagues. The project's primary objective was to pinpoint potential, cost-effective replacements for renowned football stars.
- Clustering and Ranking EFL League One Strikers based on StatsBomb Data using Machine Learning Techniques.
- Designed and executed a scalable data pipeline for Twitter, utilizing Python for data extraction and Apache Airflow for orchestration. Leveraged Docker containers to deploy Airflow on Amazon EC2, ensuring seamless operations. Data was systematically stored on Amazon S3, optimizing for efficient retrieval and subsequent analysis.
- Executed an ETL process to systematically collect and clean data from Glassdoor using Selenium for a Data Scientist salary prediction model. Achieved an MAE of 11K with Random Forest. The model was subsequently deployed for real-time predictions using Flask on Heroku.

SKILLS

C Java Python Matlab SQL
MongoDB Low-Code Development

Hadoop PySpark Docker Airflow
PowerBI Tableau AWS Flask

Sklearn TensorFlow Keras Pytorch
OpenCV Streamlit Selenium Dash

CRM/ERP Systems Power Automate

CERTIFICATES

APFA: Video Analysis for Beginners
Coursera: Deep Learning Specialization