

Ahmed Chawki Walha

Data Engineering and Decision Systems Student at ENET'Com

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Profile

A third-year Data Engineering student at ENET'com, passionate about data analysis and the development of AI-driven solutions. Seeking a final-year internship opportunity to apply my technical skills and contribute to innovative projects.

Education

National School of Electronics and Telecommunications of Sfax, ENET'Com 2022 – present
Data Engineering and Decision Systems

Faculty of Sciences of Sfax, FSS 2020 – 2022
Preparatory Cycle in Physics and Chemistry

Professional Experience

Engineering Internship: Automated Football Match Analysis, Djagora Foundation 07/2024 – 08/2024

- Development of a player and ball detection and tracking system using YOLOv8.
- Built and annotated a video image dataset for model training and validation.
- Optimized the accuracy of player speed and distance measurements through perspective transformation.
- **Technologies Used:** OpenCV, PyTorch, YOLOv8, TensorFlow, Keras, Scikit-learn, KMeans, Supervision

Initiation Internship: Enterprise Management Application, Industrial African Projects Services - IAPS 06/2023 – 07/2023

- Developed a website for IAPS, featuring a secure login page and an intuitive homepage.
- Implemented efficient management of members, projects, and their roles by integrating CRUD operations.
- **Technologies Used:** PHP, PHPMyAdmin, MySQL, HTML, CSS.

Personal Project

MLOps Pipeline for Visa Application Eligibility Prediction

- Selected and integrated a database using MongoDB Atlas, conducted EDA, feature engineering, data ingestion, data drift detection, and data validation.
- Developed, trained, and evaluated a predictive model for assessing visa applications.
- Deployed the model with a CI/CD pipeline on AWS for automation and continuous production management.

Technical Skills

- **Programming and Web Development:** Java, Python, Scala, C, HTML, CSS, JavaScript, PHP
- **Big Data, Distributed Systems, and Visualization:** Power BI, MongoDB, Hadoop, MapReduce, Apache Spark
- **Artificial Intelligence and Machine/Deep Learning:** TensorFlow, Keras, PyTorch, YOLO, Scikit-learn, OpenCV, Linear Regression, KNN, SVM, XGBoost, K-Means

Languages

- English
- French
- Arabic