Elbahri Chayma

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EDUCATION

Higher Institute of Information and Communication Technologies in Borj Cedria

- **Master's degree in Data Science, robotics, and communication, specialty in Data Science and Smart Services**   2020 |2022

- **Bachelor's degree in Computer science and communication**
2017 | 2020

SKILLS

Programming languages: Python RDF XML, R, Java, Matlab, C, C++, C#.
Framework-Libraries: Keras, Matplotlib, Numpy, OpenCV , Pandas , Pytorch, Scikit-Learn, Seaborn, Tensor Flow, PyG.
Databases: Firebase, MongoDB, MySQL
Web Development: Angular, Bootstrap, HTML, CSS
Operating systems: Linux, Windows.
Other: Git, Scrum, RaspberryPi, POO.

CERTIFICATIONS

- **Artificial Intelligence Analyst**   IBM
- **Big data engineer mastery award** IBM
- **Data structure and algorithms** Udemy
- **Machine learning**   Le Wagon Dubaï
- **Machine learning certifications** Kaggle
- **Python mega course**   Udemy

CLUBS

Istic Maker Labs   **2018-2021**
Google developers club   **2021-2022**

LANGUAGES

Arabic, French, English

PROFESSIONAL EXPERIENCE

Artificial intelligence engeneer | NARD Intelligence   10/2022 | present
- Conducting research and development processes for AI strategies.
- Designing and developing AI models to meet project requirements.
- Performing statistical analysis on large datasets.

Keywords: Python, Tensorflow, MySQL, Web mining, Angular, Javascript.

Masters research thesis data science | NARD Intelligence   04/2022 | present
- Developing customized machine learning models for anomaly classification algorithms.
- Creating a GNN model for anomaly classification.
- Training and testing multiple Neural Networks models to find an optimal solution.

Keywords: Python, Numpy, Matplotlib, PyG, GNN, PyTorch, TensorFlow.

NLP intern | Meducol   03/2022 | 06/2022
- Developed an NLP model for a 3D medical simulation.
- Designed and developed several chatbots for medical training purposes.

Keywords: Python, Unity, web scraping, NLTK, C#.

Computer vision intern | The Sparks Foundation   03/2022 | 04/2022
- Developed custom Machine learning algorithms and software for image processing.

Keywords: Python, EasyOCR, OpenCV, Pandas, Numpy, Matplotlib, Tensorflow.

Computer vision and IOT intern| Aroteq   02/2020 | 06/ 2020
- Created an intelligent path-planning algorithm.
- Developed an indoor positioning algorithm and ML model for object detection.
- Connected the robot to a real-time database (Firebase) for real-time data streaming.

Keywords: Python, OpenCV, ML, Arduino, Raspberry Pi.

PROJECTS

● **Deployment and training of the transfer learning Xception model in a multiclass image classification program**   10/2022
Keywords: Computer Vision, Python, Scikit-learn, Pandas, Tensorflow.
● **Programmed a web data scraper to acquire and annotate data and store them in a MiraDB database.**   06/2022
Keywords: Python, selenium, NLTK, Pandas.
● **Configured an IBM chatbot to answer student inquiries.**   02/2022
Keywords: NLP, ML, IBM assistant.
● **Programmed multiple robots for IoT applications.**   01/2022
Keywords: Arduino, Raspberry PI, IOT.