Mohamed
AIT IHIE

Big Data and Cloud Computing Engineer

Recent Big Data and Cloud Computing graduate with a strong foundation in computer science and machine learning. Skilled in Python, SQL, and various data libraries. Experienced in managing large datasets. Eager to bring my problem-solving skills and passion for data to an innovative company, contributing to data-driven decisions and cloud-based solutions.

CONTACT ME

- ☎
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LANGUAGES

Arabic	Native
French	Advanced
English	Intermediate

CERTIFICATIONS

- **MLOps Specialization** by DeepLearning.AI - Coursera (ongoing)
- **Data science curriculum** by Explore AI - ALX
- **Deep Leaning Specialization** by DeepLearning.AI - Coursera
- **Machine Learning foundations** - AWS Academy
- **SQL fundamentals** - Datacamp

INTERESTS

- **Chess**
- **Exploring new tech trends**
- **Sports** : football, basketball

EDUCATION

Ecole Normale Supérieure de l'Enseignement Technique (ENSET) l Mohammedia
September 2020 - June 2023
Engineer in Computer Science (Specialization: Cloud Computing and Big Data Engineering)

Faculty of Science and Technology (FST) | Mohammedia
September 2018 - June 2020
DEUST MIP (Mathematics, computer science and physics)

Mohamed V high school | Casablanca
September 2017 - July 2018
High school diploma in Mathematics B

WORK EXPERIENCE

E-Solution l Casablanca

R&D Engineer Analyst — July 2023 - Present

I led the development of sophisticated solutions utilizing computer vision, transformer-based models, and Visually-rich Document Understanding technologies. These solutions were designed for processing diverse invoices, extracting data from Moroccan university diplomas, and automating the grading of MCQ exams, regardless of their structure or layout. My work involved seamless integration into existing systems, underscoring my commitment to improving operational efficiency and driving technological innovation.

Data Science Intern — February 2023 - July 2023

Developed and implemented advanced deep learning models for the meticulous extraction of critical information from identification documents such as ID Cards and passports.

Adria B&T l Casablanca

Data science Intern — July 2022 - September 2022

Leveraged computer vision techniques to train machine learning models for automated extraction of vital data from Driver's Licenses and Vehicle Registration Cards.

Performances Qualité- INOGEN Alliance l Casablanca

Software engineering intern — August 2021 - September 2021

Developed a desktop application to facilitate audit management processes, including scheduling, progress tracking, report generation, and historical data storage.

SKILLS

- **Programming Languages :** Proficient in Python, SQL, Java and C++
- **Machine Learning and Data Mining :** Experienced in regression, decision trees, clustering, neural networks, NLP and Transformers.
- **Data Analysis and Visualization :** Proficient in using libraries and tools such as pandas, numpy, matplotlib, seaborn, and PowerBI
- **Big Data Tools :** Experience with Hadoop, Spark
- **Database Management Systems :** Skilled in MySQL, PostgreSQL, MongoDB
- **Deep Learning Frameworks :** Experience with TensorFlow, PyTorch, Scikit-learn and PaddleNLP
- **Cloud Platforms :** Familiarity with AWS
- **Devops :** Familiar with Git, Docker, Gitlab CI, DVC
- **GenAI :** Excperience with OpenAI API, langchain ecosystem and LLMs
- **Other tools :** Experience with Celery, Apache Airflow, MLflow