

Achraf Bogryn

Data Scientist and ML engineering

Rabat, Morocco | Tel: 212644091028 | E-mail: achrafbogryn12345@gmail.com
[LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Recently graduated with a Master's degree in Data Science and Engineering from Mohammed V University in Rabat, I am seeking an internship or entry level position in data science. My experience with machine learning, data analysis, and data engineering has prepared me to apply my skills and develop my competencies as a junior data scientist.

EXPERIENCE

- 02.2025 - Present

Data Science Trainee

ALX Africa

 - Currently undergoing professional training focused on foundational data science skills including data analysis with Google Sheets and Power BI.
 - Gaining proficiency in programming languages such as Python, SQL, and MySQL for data manipulation and querying.
 - Studying core statistics and probability concepts essential for data science applications.
 - Learning machine learning, natural language processing (NLP), and cloud computing technologies through hands-on projects and coursework.
- 02.2024 - 07.2024

AI Research Engineer

3D SMART FACTORY, Mohammedia

 - Developed advanced AI models for segmentation and completion of 3D scenes, improving perception capabilities in autonomous vehicle systems.
 - Collected, preprocessed, and managed large-scale 3D datasets to train deep learning models using Python, TensorFlow, and PyTorch.
 - Designed and implemented neural networks tailored for 3D data understanding and reconstruction tasks.
 - Leveraged cloud computing platforms to efficiently train and evaluate models, ensuring scalability and high performance.
 - Optimized model architectures and training workflows to enhance accuracy and reduce computational overhead in real-world applications.
- 01.2024 - 06.2024

Full Stack Developer

Ark x

 - Designed and developed a comprehensive e-commerce website from concept to deployment.
 - Front-end development using JavaScript (ES6), TypeScript, Angular, Tailwind CSS, HTML, and CSS to build responsive and user-friendly interfaces.
 - Back-end development with Java, Spring Boot, RESTful APIs, MySQL database management, API testing, and unit testing to ensure robust functionality.
 - Implemented microservices architecture and containerized applications with Docker for scalable and maintainable solutions.
 - Practiced Agile Scrum methodology to manage development cycles and collaborate effectively within cross-functional teams.
 - Used Git and GitHub for version control and collaborative code management throughout the project lifecycle.

RELEVANT EDUCATION

- 09.2022 - 07.2024

Master in in Data science and Engineering

Université mohammed 5 rabat, Rabat, Morocco

 - Master's degree in Data Engineering, focused on data processing, statistics, and advanced machine learning techniques for real-world applications.
- 09.2018 - 07.2021

Bachelor's degree in electronics, computer science and robotics

Mohammed 5 University Rabat, Rabat, Morocco

 - Gained a strong foundation in electronics, computer science, and robotics principles.

PROJECTS

Customer churn prediction based on tabular banking data.

- [Link](#)
- Preprocessed data (encoding, normalization) and built a neural network (ANN) for binary classification.
 - Deployed an interactive web application with Streamlit for real-time predictions.
 - Evaluated model using accuracy and loss; improved performance by tuning the architecture and tracking log
 - Skills:** ANN · TensorFlow · Keras · Python · Streamlit · Scikit-learn · Machine Learning · Binary Classification · Tabular Data Processing

Binary sentiment classification of movie reviews from the IMDB dataset.

[Link](#)

- Preprocessed textual data and built a Recurrent Neural Network (RNN) for classifying reviews as positive or negative.
- Deployed a Streamlit web app for real-time sentiment prediction from user-written reviews.
- Evaluated the model using accuracy and loss; explored improvements using advanced RNN variants.
- **Skills:** NLP · RNN · TensorFlow · Keras · Python · Streamlit · Sentiment Analysis · Text Classification · Machine Learning

Next word prediction using Shakespeare's Hamlet and LSTM-based language modeling.

[Link](#)

- Preprocessed raw text using NLTK, generated training sequences, and trained a multi-layer LSTM model with word embeddings.
- Built a Streamlit web app for interactive next-word generation from user input.
- Improved model accuracy by experimenting with sequence length, embedding dimensions, and model depth.
- **Skills:** NLP · LSTM · TensorFlow · Keras · NLTK · Streamlit · Language Modeling · Sequence Prediction · Python · Deep Learning

Built a regression model in Algeria using regression techniques.

[Link](#)

- Conducted exploratory data analysis (EDA), feature correlation, and statistical tests with Pandas, Seaborn understand data patterns.
- Implemented and compared Ridge Regression, Lasso, and Random Forest models to forecast FWI accurately.
- Developed a Flask web app to enable interactive FWI predictions based on input features.
- **Skills:** Regression · Random Forest · Ridge Regression · Lasso · Flask · EDA · Pandas · Scikit-learn · Python · Data Visualization

SKILLS

Programming - Python, Java, C, R, JavaScript, SQL

Bibliothèques & Frameworks - Panda, Numpy, Mplotlib, Seaborn, scikit-learn, TensorFlow, pytorch, nltk, LangChain, Hugging Face Transformers, OpenIA, Streamlit, Flask, Angular, React, Spring Boot

Machine Learning and Deep Learning - Regression, Classification, Clustering, ANN, RNN, LSTM, Transformers, LLM, CNN

Data Bases & Cloud - AWS, GCP, MongoDB, MySQL, PostgreSQL

Big Data & Orchestration - Hadoop, Spark, Kafka, MapReduce, Airflow, Hive

Business Intelligence - Power BI, Excel, Google Sheets

MLOps & DevOps - Git, Github, Docker, CI/CD, MLFlow, Github Action

web Scraping - Scrapy, BeautifulSoup

Languages - English, French, Arabic