

SUMMARY

Machine Learning Developer with hands-on experience in Python and data analysis. Skilled at building and improving models to solve real-world problems.

EDUCATION

Software Engineering: 1337 Coding School 2021 - 2024

- Learned advanced problem-solving through peer-based challenges and collaboration.

Systems and Computer Networks: BTS Al Khawarizmi 2017 - 2019

- Advanced training in Linux, network design, and CCNA 200-301 fundamentals.

EXPERIENCE

AI Intern, Sofrecom Morocco Feb 2024 - Aug 2024

- Explored AI model training and data optimization workflows.
- Used XGBoost for tag prediction in the Tagma project.
- I tested more ML algorithms and neural networks for better accuracy and find more hidden patterns.

PROJECTS

Tagma: Automated Tag Prediction System (*XGBoost, Data Preprocessing, Machine Learning*)

- Built a model to predict project tags and streamline classification.
- Improved data quality for higher accuracy.

MLP-from-scratch: Building a Multi-Layer Perceptron from Scratch (*Neural Networks, NumPy, Python*)

- Implemented a neural network for classification tasks.
- Tuned parameters for better performance and efficiency.

Tweets-NLP: NLP and Sentiment Analysis (*Decision-Tree, Naive-Bayes, NLTK, TFIDF, Python*)

- Prepared tweet data to classify sentiment and measure similarity.
- Employed multiple ML algorithms for comprehensive analysis.

CHURN-Bank-Customers: Data Processing and Model Training (*Scikit-Learn, Keras, TensorFlow, ML*)

- Built a data pipeline for banking data preprocessing and feature selection.
- Trained and evaluated multiple ML models, including Naive Bayes, Random Forest, and MLP.
- Developed a custom neural network and assessed performance using AUC and accuracy.

Listed projects and more available at: github.com/jchakir

TECHNICAL SKILLS

Programming: Python, C/C++, TypeScript.

Machine Learning: Keras, Scikit-Learn, XGBoost, Neural Networks, NumPy, Pandas, NLTK.

Tools & Technologies: Git, Docker, Bash scripting.

Skills: Data Preprocessing, Model Optimization, Algorithm Development, Problem Solving.

LANGUAGES

Arabic (Native)

English (Upper Intermediate)

French (Intermediate)