



Nouhaila Sekkoui

Computer science & data science engineer

Data scientist freshly graduated with experience in building models, overcoming complex architectures. Proficient in predictive modeling, data processing, feature engineering and machine learning & deep learning algorithms, with scripting language python. Capable of creating, testing and deploying highly adaptive diverse models.

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EDUCATION

Computer science Master degree engineering

International Academy Of Civil Aviation
Mohamed -VI

2020 - 2023

Casablanca

Scientific Preparatory classes: Major Maths Physiques (MP)

CPGE AL KHANSAA

2017 - 2020

Casablanca

Scientific Baccalaureate: sc.Physiques - Excellent

Anisse International School

2017

casablanca

WORK EXPERIENCE

Data Scientist intern (pfe)

Yosobox & Tisalabs Ltd.

03/2023 - Present

Ireland_Oujda

Achievements/Tasks

- Build an anomaly detection AI model using ML & DL in a security monitoring solution for web application based on the Opensearch framework.
- Collecting data with Fluentd collector.
- Data analysis & data preprocessing with PySpark framework along with various techniques of data science(One Hot encoding).
- build a predictive model using SVM(support vector machine) algorithm for anomaly detection purpose.
- Evaluate the model with Binary combinations metrics and calculate its F1 score.

Data Scientist intern (technical internship)

Intellcap

07/2022 - 09/2022

Rabat

Achievements/Tasks

- House Price Prediction with Machine learning, Linear Regression, python with Pandas and Numpy Libraries and its application in real estate expertise.
- Data exploration & data analysis of the prices and their variability with others features.
- Build predictive models (Linear Regression, Decision Tree Regressor, Random Forest Regressor, XGBoost Regressor, SVM).
- Select the best model with GridSearchCV.

SKILLS

DS Technologies: Machine Learning, Deep Learning(RNN), Data Mining (NLP, LDA)

Libraries: Numpy, Pandas, Seaborn, Scikit-Learn, Kerasn TensorFlow, Matplotlib, Scipy, XGBoost, NLTK, Pyspark

ML Models: Linear Regression, SVM, Logistic Regression, Decision Tree

Data Structures: Lists, Dictionaries, Trees, Graph, HashTable)

Big Data: Spark, Hadoop (Hdfs, Nifin Hive, HBase)

Cloud Computing: MLOps, Azure, SAP, WordCloud

STUDY PROJECTS

Study Project in Machine learning:

- Build Spam Mail Detector with classification based on Bayes theorem, Cross validation to have the best model and Pickle to export the model and load it.

Study Project in Data Mining: Neural Language Processing NLP technique

- Sentiment analysis with hotel reviews and classification of these reviews

Study Project in Deep Learning: Time-Series data analysis using LSTM & RNN

- Amazon stock price prediction using ADFtest and KPStest to see if the series are stationary

Study Project BI: Talend Open Studio (TOS), Power Bi Desktop

- Design and supply of a Data Warehouse

LANGUAGES

English

Full Professional Proficiency

French

Full Professional Proficiency