COMPAORE Yolemba Harold

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SKILLS

- **Programming** - python, java, SQL, R, C, php
- **Statistical Analysis** - Exploratory Data Analysis, Hypothesis Testing
- **Machine learning & Deep learning** - Sklearn, Tensorflow, keras, HDBSCAN
- **Data visualization** - Tableau, Matplotlib, seaborn, plotly express
- **Web Development** - J2EE, html, css, Eclipse, MySQL, PHP, LARAVEL
- **Soft skills** - Problem-Solving; Communication in french(native) and english(fluent); Agile Methodology(SCRUM); Teamwork; Adaptability; Critical Thinking

EXPERIENCE

Data scientist intern: Startup Operational Status prediction using Machine learning India (Remote)
Technocolabs Software *2024.06 - 2024.08*

- Data preprocessing: Deleting redundant and irrelevant information, handling missing data and outliers, date variables transformation
- Exploratory data analysis: univariate, bivariate and multivariate analysis
- Feature engineering: feature selection, log transformation and standardisation, creation of new features, feature encoding
- Modelling: oversampling, binary classification and multiclass classification
- Project details available at: **https://github.com/202422/Startup-Operational-Status-prediction-using-Machine-learning**

Machine Learning Research Intern: Time series imputation using ML/DL techniques Rabat, Morroco
ENSIAS *2024.06 - 2024.09*

- Implementing an algorithm to convert a time series dataset into sequences of fixed size (10) to prepare it for supervised learning.
- Designing an algorithm to systematically scans the dataset to detect all occurrences of TS-MD (Time Series Missing Data) and train a model to impute this missing values
- Training ML/DL models like SVR, RNN, and LSTM on the training set and comparing their performance
- Tools: Numpy, Pandas, sklearn, Tensorflow, metrics
- Project details available at: **https://github.com/202422/Time_series_Imputation_using_ML-DL**

EDUCATION

National Higher School of Computer Science and Systems Analysis (ENSIAS)
Engineer's degree *2023.09 - On going*

Faculty of science/University Abdelmalek ESSAADI Tétouan
DEUG/Mathematics and computer science *2021.10 - 2023.06*

PROJECTS

- **Employee Attrition Analysis and Turnover Predictions**: This project aims to provide insights into the factors influencing employee attrition and predict which employees are likely to leave the company. To achieve that I performed statistical analysis and machine learning tasks: **https://github.com/202422/Employee-Attrition-Analysis-and-Turnover-Predictions**
- **Focus on Hyperparameter Tuning - House Price and Titanic Survival Prediction** : This work covered the machine learning workflow, from data preprocessing to training, evaluation, and making predictions, using both classification and regression problems. I made a focus on hyperparameter tuning by using techniques like Zooming In and Bayesian Optimization: **https://github.com/202422/Focus-on-hyperparameter-tuning-House-Price-and-Titanic-Survival-Prediction**

CERTIFICATIONS

Machine Learning with Python — IBM *May 2024*
Exploratory Data Analysis for Machine Learning — IBM *August 2024*