

# COMPAORE Yolemba Harold

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## SKILLS

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### Hard skills

- **Programming** - python, java, SQL, R, C, php
- **Statistical Analysis** - Exploratory Data Analysis, Hypothesis Testing
- **Machine learning & Deep learning** - Sklearn, Tensorflow, keras
- **Data visualization** - Matplotlib, seaborn, plotly express

### Soft skills

Problem-Solving; Communication; Agile Methodology(SCRUM); Teamwork; Adaptability; Critical Thinking

## EXPERIENCE

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### Technocolabs Software

India (Remote)

*Data scientist intern: Startup Operational Status prediction using Machine learning* 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>

### ENSIAS

Rabat, Morocco

*Machine Learning Research Intern: Time series imputation using ML/DL techniques* 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](https://github.com/202422/Time_series_Imputation_using_ML-DL)

## EDUCATION

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### 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

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- **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>
- **Online Shoppers Purchasing Intention:** the objective of this project is to understand purchasing behaviour on e-commerce platforms by applying statistical techniques, hypothesis testing and machine learning: <https://github.com/202422/Shoppers-Purchasing-Intention>

## CERTIFICATIONS

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**Machine Learning with Python** — IBM

May 2024

**Exploratory Data Analysis for Machine Learning** — IBM

August 2024