Abdoulaye Balde

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Experience

Machine learning lead for Developer Student Club Sharda University **May 2020 – present**

Google Developer Student club *Greater Noida, Sharda University*

- Talk on how to get started with Machine Learning using python were I covered basics of pandas and matplotlib for data manipulation and visualization.
- Talk on how to use git and github to manage project and collaborate with others.
- Talk on how to use vim as python IDE and fast file editing tool.
- To make an Exploratory Data Analysis web app using streamlit and pandas.

Projects

AutoInland Vehicle Insurance Claim Challenge | *Python, pandas, LGBM, sklearn* **April 2021**

∗ The objective of this project was to develop a predictive model that determines if a customer will submit a vehicle insurance claim in the next three months.

∗ This solution will help streamline financial planning at AutoInland and allow them to better serve their customers by understanding which customers are likely to submit a claim.

Machine learning Challenge to Calculate the severity of an airplane accident | *python, pandas, sklearn* **March 2021**

∗ Build Machine Learning models to anticipate and classify the severity of any airplane accident based on past incidents.

∗ Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.

∗ Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

Economic Well-Being Prediction Challenge Hackathon | *python, LGBM, pandas* **March 2021**

∗ The aim of the Hackathon is to predict a measure of wealth for different locations across Africa.

∗ I used LGBM algorithm to train the model. The evaluation metric for this competition is Root Mean Squared Error. and after submission I was ranked 25 out of 53.

Stock Market Analysis and Prediction | *python, pandas, plotly* **Nov 2020**

- The aim of the project was to train a machine learning model that can predict stock market based on the previous recorded observation.
- I used sklearn to train different machine learning algorithms such gradient boosting, random forest and XGBoost regression.
- I used used different evaluation matrices to evaluate the performance of the models such as r2 score, RMSE, MSE and it showed a very good performance of the models

Education

Sharda University **July. 2018 – present**

Bachelor of Technology in Computer Science and Engineering *Greater Noida, UP, India*

Relevant Coursework

- Data Structures
- Calculus and Abstract Algebra
- Algorithms Analysis
- Database Management
- Computer Architecture
- Discrete Structure
- Probability and Statistics

Technical Skills

Languages: Python, C, HTML/CSS, SQL, SQLite3
Developer Tools: VS Code, vim, jupyter notebook, jupyter lab
Technologies/Frameworks: Linux, GitHub, keras, tensorflow, pytorch(beginner)

Extracurricular

- School Management System I used python and CSV to make a simple app to record and organize information of students in a csv format.
- Tanzania Tourism Prediction Challenge by Pycon Tanzania Community.Can you use tourism survey data and ML to predict how much money a tourist will spend when visiting Tanzania.
- Technical Support Fundamentals Google Coursera Certificate.
- Data Analysis with Python IBM Courera Certificate.
- Machine Learning with Python IBM Courera Certificate.
- Google Cloud Product Fundamentals Courera Certificate.