Contact

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✉ OKPARAESTHER10@GMAIL.COM

Links

Github

Medium

Tableau

Linkedin

Skills

Python

Excel

SQL

Tableau

Git

Data Cleaning

Data Visualization

Model Deployment

Machine Learning

ESTHER OKPARA

DATA SCIENTIST

I am a data scientist who is enthusiastic about solving business problems with data science and predictive models. As a self-taught programmer, I have been continuously learning and building data science projects for almost a year. I am proficient in the use of python, which is my go-to programming language for performing data analysis and data science projects.

Projects

US Salary Prediction Web App (Deployed with Streamlit)

- Deployed a classification model that predicts the if an adult I the US earns less or more than $50,000.
- Cleaned the dataset of al inconsistencies and performed exploratory data analysis on the dataset.
- Created a pipeline that trained three models (Logistic-Regression, Bagging classifier and Decision tree) on the dataset with Roc-Auc score of 85%, 92% and 90% respectively.
- Created a web app using Streamlit and fed the models into it and deployed the web app using Streamlit cloud.
  LINK: US Salary App Predictor Web App

Customer Churn Analysis for a Telco Company

- Performed exploratory data analysis on the telco dataset.
- Built a classification model and used voting classifier to improve my model's performance on the data with accuracy of 75%.
- Used SMOTE in balancing the dataset and improvement of model performance.
  LINK: Telco Customer Churn Analysis

Heart Failure Prediction WebApp(Flask)

- Built and deployed a classification model that predicts the likelihood of an adult to have heart failure
- Created a pipeline that trained a bagging classifier which improved accuracy and roc-auc score by 25%
- Used SMOTE in balancing the dataset which improved models' overall performance on test and unseen data.
- LINK: Heart Failure Predictor webapp

Built an Interactive Modern Day Superstore Sales Dashboard with Tableau

- The dashboard showed the business KPI's at a glance, trend of sales increase across 2011-2014, sales per region etc.
- I designed the layout of the dashboard using Figma to give it a modern look while utilizing white spaces for a cleaner look to promote readability.
- The dataset used for this dashboard was cleaned using python to remove duplicates, etc.
- LINK: Superstore Sales Dashboard

Employment History

Intern Data Scientist, HAMOYE, Remote.

AUGUST - NOVEMBER 2021

- Responsible for analyzing data to drive optimization of products,
- Exploratory data analysis, creating visualizations and presenting findings to the team.
- Systematically organizing machine learning projects.
- Deployment of machine learning projects.

Intern Data Scientist, OVHOLEN, Remote.

FEBUARY 2022 - PRESENT

- Responsible for creating reports and dashboards on product performance.
- Responsible for data cleaning of large datasets generated for analysis.
- Creating of predictive models to drive decision making.

Intern Site Engineer, Black Diamond Engr., Lagos.

MAY 2018 – NOVEMBER 2018

- Responsible for identifying and resolving design conflicts to minimize project delay
- Supervised and monitored daily task of three sub-contractors.
- Sourced and managed construction materials worth millions of naira.

Courses

Machine Learning A-Z: Hands on Python & R in Data Science, UDEMY.

The Data Analyst Course: Complete Data Analyst Bootcamp 2021, UDEMY.

Tableau 2020 A-Z Hands on Tableau Training for Data Science, UDEMY.

SQL – MySQL for Data Analytics and Business Intelligence, UDEMY.

Education

B.Eng. Structural Engineering, University of Benin

OCTOBER 2014 – NOVEMBER 2019

- Graduated top 10% of Class