TAIWO OWOSENI, MDS

https://github.com/thayeylolu   https://www.linkedin.com/in/thayehas
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Project Links: | Interactive Netflix Dashboard | ML Feature Interpretation | Real-time Data pipeline

SKILLS

AWS Technologies: Kinesis, Lambda, Glue, Athena
Applications: Rstudio, PowerBI, Git, Jupyter Notebook, Tableau, Excel, Docker
Libraries: Numpy, Pandas, Pytorch, Tensorflow, Scikit-Learn, Ggplot, Dplyr, MASS, Tidyverse, Numpy, Scapy, NLTK, PySpark
Languages & Database: Python, R, SQL, DynamoDB, Hadoop, MapReduce
Technical Skills: XGboost, Regression, A/B experiments, Statistical Tests, ANOVA, Decision Trees

EDUCATION

Master of Data Science   Sep '21 – Jun '22
    University of British Columbia, Vancouver, BC, Canada
Bachelor of Technology, Computer Science   Jan '13 – Oct '18
    Federal University of Technology, Akure, Nigeria

PROFESSIONAL EXPERIENCE

Data Science Fellow   Jun '22 – Aug '22
Correlation One   Remote, US
- Developed algorithms to scrape > 50,000 observations to get a rich and diverse data set for analysis
- Wrote project frameworks and annotated > 1000 tweets to enhance reproducibility and efficiency
- Communicated analytic findings to leaders and 3 external partners using Tableau visuals

Machine Learning Engineer   Apr '22 – Jun '22
Trusting Pixels, Capstone Project   Remote, Canada
- Designed an ML model with 92% accuracy to distinguish between recaptured and original images
- Trained, validated and tested the model on 100s of images using Ridge Regression model
- Integrated final model in web app for easy use of the product by 3 members of the authentication team

Graduate Teaching Assistant: Database in Data Science   Feb '22 – Apr '22
Department of Computer Science, UBC   Vancouver, Canada
- Taught database concepts to 30 students leading to engaging question and answer sessions
- Provided meaningful feedback to 20 students after grading assignments and class works
- Administered exam to over 30 students to ensure students abided with exam rules

Software Engineer Intern   Feb '22 – Apr '22
Skitme, Outreachy   Remote, United Kingdom
- Refactored existing forecaster classes and the base class forecaster to eliminate redundant code using python
- Improved documentation of the Sktime Library and wrote tests for the forecasters and helper functions
- Gave a presentation of my contribution to open source during the annual Dev Week

Business Intelligence Operations Analyst   Sep '20 – May '21
Airtel Nigeria   Lagos, Nigeria
- Wrote queries to investigate over 100 profiles and authenticated over 1,000,000 existing customer profiles
- Prepared reports that communicated market opportunities in12 areas over 6 months
- Constructed a scheduled data pipeline to analyse reconciliation data, which grew team productivity by 30%

Lead Data Analyst   Jun '20 – Sep '20
OneHealth Nigeria   Lagos, Nigeria
- Identified customers' buying patterns and proposed sales strategies that elevated sales by 20%
- Sold 28 products three months before shelf life, by using basket analysis algorithm to analyse complementary products
- Created a functioning ETL pipeline to implement data quality control, this increased creation of visuals efficiency by 50%

PROJECTS

Electronic Medical Record (EMR) - Medical Specialty Classification   *SciScapy | Scapy*
Link
- Built a Classifier from Kaggle dataset that identifies several medical specialties, to improve the search for EMRs by tags
- Reduced medical specialties after EDA and used Named Entity Recognition (NER) to identify medical terminologies
- Implemented XgboostClassifier algorithm, with hyper parameter tuning to get an accuracy > 60%

Scheduled Real time Data pipeline to scrape Earth Quake Data   *Cronjob | Pandas | Github Action*
Link
- Built a real-time data pipeline integrated in python scripts, to ingest scraped twitters generated by @earthquakeBot
- Transformed scraped data (feature extraction, data validation, cleaning) and loaded data into relevant partitions
- Consumed loaded data in a script to creates a heat map showing the magnitude of earth quake in the world

Machine Learning Feature Interpretation and Analysis   *Light Gradient Boost | SHAP | Pandas | ELI5*
Link
- Interpreted feature importance of 3 ML models: Logistic Regression, Random Forest and LGB using Shap and Eli5
- Compared results of 3 models to analyse how the results affect predictions of the type of pumpkin seed

AWARDS, ACHIEVEMENTS AND CERTIFICATIONS

AWS Community Builder	DS4A Ambassador – Correlation One	UBC - MasterCard Foundation Scholar
AWS Certified Developer – Associate	Most Distinguished Project – DS4A	Abdul-Kabir Aliu Foundation Scholar
AWS Certified Cloud Practitioner	Access bank prize for Innovation	LaptopForDevelopers – Data Science Track
	SQL in Data Science – Coursera	Enyata Build Up