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| **Objective** Seeking a position where I could implement skills and experiences that I have gained through education, training and experience to uncover insights, make accurate predictions, recommendations, improvements, and products that will guarantee organization success while learning new experiences. **SKILLS & tools**  * Oracle SQL Developer, SPARQL * Google Tag Manager, Google Analyics * Dimensional Modelling * Microsoft Teams * web Protégé, OWL/RDF, GATE * Oracle DB, IBM DB2, Teradata * Redshift,Glue, Lean Six Sigma & Agile * PowerBI,Snowflake * Semantic Web * REST API, NLP, Cloud Computing, H2O, Azure SQL * Apache Spark, AWS S3, SAS * Scikit Learn,Panda, Numpy,SciPy,NLTK * R studio & Shiny * Python,Text mining * Machine Learning * Prescriptive & Predictive Analytic | |  | | --- | | Kolawole Quadri**US CITIZEN**MACHINE LEARNING DATA SCIENTISt |   **EDUCATION** **MS SOFTWARE ENGINEERING •** East Carolina University**BS ELECTRICAL ENGINEERING •** Moshood Abiola Polytechnic**CERTIFIED SOFTWARE TESTER •** ASTQB/ISTQBCOURSEWORK: CLOUD COMPUTING, MACHINE LEARNING**EXPERIENCE****Data Scientist III: supply CHAIN &logistic ANALYTICS**• CATERPILLAR **• IL• FEB  *2019 –*** **REASON FOR LOOKING: family relocation**Developed customized ETL, data pipeline, perform Fuzzy matching, pattern matching, integrate heterogenous data sources and leading cloud data warehouse migration project (Teradata, Oracle, Db2, SPM)Gather requirements, perform data analysis on Transportation data, build metrics to access supplier shipping performance, carrier on time pick up, on time delivery and supplier reliability, back orders and End to End shipment milestone (Exploratory Analysis, Predictive and Prescriptive Analytics, Classification, Statistical Analysis, Design of Experiments)Implementing lean thinking and agile methodology in managing data quality, defect handling and business process & requirementsImplement machine learning (Amazon Sage Maker) in python with xgboost, grid search cross validation and SMOTE d to classify transportation spend, Customer Segmentation, Budget Optimization and Dealer churn propensity (Build Machine Learning Model, Model Optimization, Model Deployment Using Python, R.Developed customer journey model, sales forecast and anomaly detection with Prophet library leveraging media mix modeling, multitouch-attribution and marketing processesBuilt hierarchical spare parts sales forecast for multiple product (high value and low value) demand across different regions in north america using historical demand data.Updated, measured and tune arima time series models to newly ingested dealer parts demandDevelop reports, dashboard and apps in Power BI and share through Power BI APP with stakeholders (Power BI Dashboards, A/B Testing Power Bi Security Administration, Tableau, Streaming Data and On Demand Reporting,Streamline and Improved Data source integration to Visualization process project,Decoded $40M Cost Opportunity and Savings from Transportation data**Senior Software Engineer: Analytics •** John Deere • *NC*• *JAN 2018* – JAN 2019  |  | | --- | | * Led Software requirement gathering and Model based software design & Simulation review for Autosar Compliant Software Product Development for Vehicles. * Researching Machine learning algorithm for Software testing &Manage MIL & SIL Software Testing and Jenkins Integration Testing data * Developed R Shiny & Power BI dashboard (DAX)UI and A/B testing to monitored anomaly in spending & part usage with statistical process control using, SVM, KNN, logistic regression, random forest, gradient boosting) and quantify uncertainty. * Implemented PCA, Clustering, Elastic nets, bagging, boosting, L1 & L2 regularization, K-cross validation, grid search to optimize model predictive accuracy * Performed exploratory data analysis on vehicle CAN and IIoT sensor data, model and create machine learning model to classify feature activity and predict system behavior on new model implementation * Developed Test plans, test scripts for MATLAB Simulink MBSD to exposed defects and assurance quality. * Reviewed and Analyzed Test report and extend test cases & scripts to MC/DC coverage * Implemented Test driven development, boundary value analysis and partitioning to assurance confidence in software product quality |  **Data Scientist.** Cisco System. NC. JAN 2017 – JUN 2017  * Acquired, cleaned structure and unstructured data from multiple sources and maintained graph databases systems using text mining, natural language processing and semantic web using SPARQL, RDF/OWL * Designed and Developed Cisco Certification ontology for recommender system. * Led analytics team to robust performance measure for customers and retailers using data envelopment analysis and Operation research leveraging on linear programming * Managed and coached Data Analyst on data quality management * Performed data curation for chatbot and augment search system development. * Constructed machine learning algorithms in R to perform data exploration, data cleaning, modeling, pattern matching and quantify uncertainty. * Participated in Software development, Inspection and testing (UI, webservices with REST API), defect tracking, and deployment to production a service on Microsoft Azure. * Developed predictive model for churn and customer propensity analysis. Optimized predictive model algorithm, augmented search engine, relevance and recommendation. * Developed data visualization with R shiny and generated executive summary reports from R studio. Participated in Software development, testing (webservices with REST API python scripts) and deployment to production. * Architect and managed ontology data model, semantic meta data enrichment, annotation and domain specific topics and vocabularies (SKOS, Dbpedia, FOAF) Information extraction and retrieval from multisource and triplestore   **Manager Maintenance & Predictive Analytics • Goodyear Tire**• NC •Feb 2015 – SEP2016  * Implemented statistical model, design of experiment, and lean thinking to reduce automated machine failure by 40% and improved equipment reliability 30% and saved $1.2M. * Implemented natural language processing and text mining to analyze and extract key feature from work order request to develop fault ontology knowledge base. * Developed machine learning algorithm and trained Model to analyze and predict machine failure, Ethernet & PLC drives, IIoT Sensors data and make recommendation using prescriptive analytics and Optimization techniques * Implemented SPARQL queries to enhance data quality, finding data, clean, remodeled and linked data. * FRACAS report to extend and enrich Fault ontology for repair recommendation. * Developed R Shiny dashboard UI to monitored anomaly in spending & part usage with statistical process control using, SVM, KNN, logistic regression, decision trees) and quantify uncertainty. * Developed Data visualization team in Power BI and DAX * Developed model to measure and quantify impact of each touchpoints in customer journey in a multi-channel touchpoints. * Led, managed, coached and assigned tasks to data scientists and engineers * Managed sprint planning and developed standard procedures to streamline and improve work processes for agile analytics team   **Data Quality & Automation Analyst *•*** Procter & Gamble • JAN. 2011-DEC.2012   * Championed defects root cause analysis, corrective and preventive actions through clustering and principal component analysis and exploratory data analysis using SQL, R and Minitab. * Developed dashboard to track quality metrics, customers reviews, marketing effort and documented sensors failure and defects, nonconformance, and process anomaly using statistical process control. * Implement Lean six sigma for Kaizens and process management and defect management * Mined, analyzed and profile quality data. Cleaned & wrangled data from in process parameter * Designed data driven solution to test sensors behaviors with hypothesis testing and DOE * Championed risk management using predictive analytics and continuous process improvement effort.   **Reliability Data Analyst & Quality Engr *•* HCG ENGINEERING *•*** MAR2007-NOV 2009   * Analyzed reliability time series data with R to predict failure modes. * Analyzed warranty data, sensors and e components and performed root cause analysis for, failure reporting and corrective action recommendation. Developed and design experiment based on warranty field data, developed and test hypothesis. * Managed, performed risk assessment analysis, defect tracking, forecast and developed mitigation plan. * Performed accelerated testing, FMEA and Implemented Weibull software and statistical methods for life data and warranty analysis * Performed accelerated testing (HALT/HASS) and Implemented Weibull software and statistical methods for life data analysis. Developed SOP and Performed IQ, OQ, PQ and verification |