Marian Adewale

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PROFESSIONAL SUMMARY

Proactive and results-oriented Data Scientist with over 7 years of experience in statistical analysis, systems analysis, business intelligence and machine learning within fast-paced industries. Strong expertise in SQL, Python automation, AI/ML model development, data analysis, Unix shell scripting skills, low-level/user-level UI automation, and data visualization. Adept at presenting complex data to executives and fostering cross-departmental collaboration through exceptional communication and interpersonal skills.

CORE COMPETENCIES

Predictive Modeling & ML | Feature Engineering | Data Cleaning | Troubleshooting | Compliance | Automation | UAT | Process Improvements | Exploratory Data Analysis (EDA) | Data Pipelines | Data Engineering (ETL, CI/CD) | Model Monitoring | Stakeholder Management | Risk Assessment | Strategic Growth Initiatives | Data Storytelling | Cross-Functional Collaboration | Leadership & Team Development

TECHNICAL SKILLS

Operating System: Windows, macOS, Unix/Linux
Programming Languages / Scripting: Python, SQL, R, JavaScript, Unix shell scripting
AI/Machine Learning: TensorFlow, PyTorch, Scikit-learn, Keras, NLTK, spaCy, SciPy, Tkinter, Deep Learning LSTM, CNN, Linear Regression, Logistic Regression, Random Forest, Decision Tree, PCA, K-Means, SVM, Clustering, Naive Bayes, KNN, NLP, Computer Vision, Time Series Analysis, GenAI (Prompt Engineering, GPT, LLMs), Gemini, Deepseek
Data Analysis: Pandas, NumPy, SciPy, Microsoft Excel (vLookup, INDEX & MATCH, SUMIF, Pivot table, Micros)
Databases/Data warehousing: SQL Server, Oracle MySQL, BigQuery, PostgreSQL, MariaDB, DynamoDB (NoSQL)
Data Visualization: Matplotlib, Seaborn, Plotly, ggplot2, Tableau, Power BI
Automation: os, shutil, Requests, BeautifulSoup, Selenium, Openpyxl, API's
Cloud Platform: AWS (Redshift, Glue, SageMaker, Lambda, Cloud9, EventBridge, CLI, EC2, S3, VPC, StepFunctions)
Project Management: Agile (Scrum & Kanban), Waterfall, SDLC, Jira, Confluence, SharePoint, Visio, MS Project

PROFESSIONAL EXPERIENCE

- Developed data schemas and managed data warehouses using SQL/NoSQL databases, optimizing data storage and retrieval, which improved internal data processing and analysis efficiency by 25%.
- Migrated on-premises MySQL databases to RDS, ensuring optimal database performance, security, & availability
- Utilized AWS services, including S3, Lambda, and DynamoDB, to manage data storage and workflows effectively
- Developed and debugged Python-based ML models (TensorFlow, PyTorch) directly in Cloud9
- Fine-tuned BERT/GPT-3 for NLP tasks (92% accuracy), deployed via SageMaker Pipelines.
- Automated model monitoring using CloudWatch, reducing drift detection time by 50%.
- Improved service desk operations by identifying correlations and patterns using data mining techniques, resulting in a 30% reduction in issue resolution times
- Monitored, tracked, and reported on relevant KPIs, ensuring alignment with departmental and organizational goals, achieving a 98% compliance rate
- Analyzed structured and unstructured datasets (CSV, JSON, XML, text, images) using Pandas, NumPy, and Scikit-Learn, uncovering valuable insights that led to a 25% increase in data-driven decision-making
- Developed predictive models to forecast service demand, improving resource allocation efficiency by 35%
- Collaborated with cross-functional teams to design and implement machine learning models using AWS SageMaker, enhancing accuracy by 15%
- Automated file & folder management using Python libraries (os, shutil), improving efficiency
- Created comprehensive knowledgebase to manage historical/current issues, ensuring ease of access & searchability
- Performed EDA on 25,000+ records using Python (Pandas, Matplotlib, Seaborn) to clean and preprocess data for machine learning modeling

EDUCATION

Master of Science in Artificial Intelligence and Data Science | University of Hull, UK   2023
Master of Science in Computer Science | University of Lagos, Nigeria
Bachelor of Science in Computer Science | University of Ibadan, Nigeria