Uthman Jinadu

Phone: 4709292207 | uthmanjinadu@gmail.com | https://github.com/jinaduuthman

SUMMARY

Versatile data professional with expertise in machine learning, deep learning, cloud computing, advanced analytics, and data warehousing. Skilled in Python, SQL, and Cloud computing tools. Proven experience in predictive modeling, developing models, and creating retrieval-based models for semantic search. Proficient in designing and optimizing ETL/ELT pipelines to enhance data flow and quality for analytics. Seeking opportunities to apply comprehensive data expertise in innovative environments.

SKILLS

Languages and Scripting: Python(Numpy, Pandas, Matplotlib, Scipy, Seaborn, Scikit-learn, Pytorch, Tensorflow, Unittest, Pytest, Flask, Boto3), MS Excel, Beautiful Soup, SQL, Git, Linux, Windows Powershell, Javascript, NoSQL.
Machine Learning: Predictive Modeling, SVM, Machine Learning Algorithms(Linear Regression, Logistic Regression, Decision Tree, K-means Algorithm, KNN Algorithm, Neural Network, PCA, NLTK, BERT).
Data Visualization – PowerBI, Tableau.
Cloud Computing Services – AWS Core Services(S3, IAM, EC2, DynamoDB, Amazon Athena), Data Processing and Analytics(AWS Glue, AWS EMR, Kinesis, Data Ingestion using Lambda, Pyspark). Azure Services. (Azure Synapse Analytics, Azure Data Factory, Azure Databricks), GCP(Big Query, Bucket, AI Vertex Platform)
Data Warehouse - Data Lake, Postgres, SQL Server, AWS Data Warehousing, Azure SQL Data Warehousing.

EDUCATION

Georgia State University, **August 2022 -December 2024**
MS., Computer Science *GPA: 4.00/4.00* *Atlanta, Georgia*
National Open University of Nigeria, **June 2015 - March 2019**
Bachelor of Science, Mathematics and Computer Science. GPA: 3.63/4.00 Lagos, Nigeria
The Federal Polytechnic Offa, **January 2008 - September 2012**
Bachelor of Science, Computer Science. GPA: 3.63/4.00 Offa, Nigeria

EXPERIENCE

Machine Learning Research Assistant, Georgia State University(COE, DOD) - Atlanta, Georgia **August 2022 – present**

- Developed a novel formulation of Multitask learning with loss-based noise correction.
- Implemented a means to separate agreeing and disagreeing annotations to detect noise and disagreement.
- Enhanced dataset annotation accuracy by 25% and improved fairness in sentiment analysis by implementing a multitask learning and loss-based correction strategy, resolving disparities in annotator opinions.
- Developed a model using SVC classifier and PCA to classify breast tumors with a dataset of 570 instances, reducing feature dimensionality by 40% and achieving 90% accuracy in distinguishing malignant from benign tumors.
- Analyzed and enhanced an employee dataset comprising over 10,000 records, filling in 15% of missing data, and identifying key trends. Leveraged PowerBI to create visualizations that improved data-driven decision-making processes across the department.
- Directed a fall detection initiative, processing and analyzing sensor data from 200+ participants. Trained machine learning models that achieved 90% accuracy in real-time fall prediction, significantly enhancing safety measures for the elderly.

Data Scientist & Engineer, Newzone System Concept **January 2019 - July 2022**

- Developed a retrieval-based model for semantic search and implemented multi-objective optimization techniques for e-commerce applications.
- Enhanced retrieval efficiency and increased Gross Merchandise Volume by 10% through improved product search relevance and personalized recommendations.
- Leveraged statistical and ML models to devise dynamic loan pricing strategies, resulting in a 20% increase in profitability and a 25% boost in market competitiveness within the first year of implementation.
- Partnered with cross-functional teams to analyze and transform over 5TB of raw data annually into actionable insights, driving key strategic business decisions that led to a 15% improvement in operational efficiency.
- Designed and developed SQL-based data models, creating a scalable and high-performance data warehouse. Achieved a 30% improvement in data retrieval efficiency through SQL performance tuning and optimizing PostgreSQL data pipelines.
- Engineered and enhanced ELT/ETL processes, utilizing advanced SQL and data modeling techniques to streamline data pipelines for BI reporting. This resulted in a 25% reduction in data processing times and supported a 50% increase in reporting capabilities.

Data Scientist and Engineer, Quorizon Company Limited **March 2014 – December 2018**

- Designed and Implemented an ESG scoring model, leveraging NLP and ML to assess companies' Environmental, Social, and Governance practices. This model improved investment decision-making and compliance reporting by 30%.
- Crafted 100+ SQL reports yearly, clarifying insights for non-technical stakeholders, and enhancing decision-making by 15%.
- Led 5+ data migration projects, transferring 10TB+ with zero downtime, and maintaining uninterrupted business operations.
- Improved ETL efficiency by 40%, cutting data processing times and boosting analysis capacity by 20%.
- Enhanced data accuracy by 25% through Python, processing over 5TB, enabling reliable analytics and reporting.