**Oladimeji Shodipe**

***Data Scientist*** Phone: +1 (217)–549–5106

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Data scientist expert specializing in advanced statistical analysis, machine learning, and predictive modeling, leveraging AI-driven solutions and cloud computing for data-driven decision-making.

**SKILLS**

* **Machine Learning**: Econometrics, Statistical Analysis and Modelling, Time Series Analysis, LASSO Regression, Neural Networks (NN), Convolutional Neural Networks (CNN), Monte Carlo Simulation, Risk Modelling, Forecasting
* **Cloud Computing:** Azure (Virtual Machine, Blob Storage, Databricks, Monitor, Blob Storage), AWS (EC2, S3, Lambda, RDS, CloudFormation), Terraform. Databricks
* **Database Management**: SQL, PostgreSQL, MySQL, DynamoDB, Azure Data Factory, ETL Pipelines, Data Warehousing, SSIS, Snowflake, Data Wrangling, Apache Spark, SQL Development, SQL Querying
* **Business Intelligence & Automation:** Power BI, Power Automate, Power Apps, Azure DevOps, GitHub Actions, Azure Data Factory
* **DevOps & CI/CD:** Docker, Kubernetes, Terraform, Jenkins, CloudFormation, GitHub, Bitbucket
* **AI & Generative AI Framework:** LLM, GitHub Microsoft Copilot, Azure AI Foundry, R Studio
* **Programming & Scripting**: Python, SQL, Bash/Shell Scripting, R, NET
* **Data Pipeline and Workflow Orchestration**: Azure Data Factory, Apache Airflow, Spark

**PROFESSIONAL EXPERIENCE**

**Data Scientist** Jan. 2024 – June 2025

Weyerhaeuser - AI Team

* Built and Deployed machine learning models to forecast market prices and demand for Decking, Glulam, Parallam, Cedar, and OSB products for the Wood Product and Engineered Wood teams.

*Model Used: Neural Network, PCR, VAR, Regularized Regression Model (LASSO, Ridge, Elastic Net), XgBoost, Random Forest, Linear Regression, Non-Linear Regression*

* Managed model life cycle, including data workflow, model development, and continuous integration.
* Led the AI team in discussing findings with finance and sales teams for wood products.
* Developed AI solutions to extract order flow details from invoices and receipts.
* Integrated AI solution with Power Automate workflows and automated transfer to the Snowflake data cube
* **Key Activities:**
* Built a scalable data pipeline to load all product data in Parquet from Snowflake to Azure SQL.
* Developed a relational database and automated incremental data pipeline for line-level data.
* Created SQL queries, stored procedures, and ETL pipelines to automate changes in the model data.
* Build forecasting models that adapt to seasonality, trends, and shocks in the supply chain
* Developed a .NET API to perform data wrangling from third-party servers.
* Detected outliers and transformed data to improve model quality.
* Performed feature engineering to remove noise and enhance model performance.
* Built machine learning model to forecast demand for wood products
* Conducted accuracy testing between various models and Azure ML model results for all products.
* Performed cross-validation and hyperparameter tuning using grid search and random search.
* Managed the continuous deployment of pricing models to production using docker, Kubernetes.
* Automated the transfer of the model result to the clients with Azure Data Factory and Power Automate.
* Provisioned cloud infrastructure using Bash/Shell scripting and terraform.

**Key Achievements**

* Led the AI team to develop top-performing wood product models, increasing margins by $525K/Yr
* Led the AI team to create the first organization-wide pricing model incorporating economic index and third-party data to compete with industry wood prices.

**Quantitative Analyst /BI Developer** Jan. 2023 – Jan. 2024

Weyerhaeuser – IT Team

* Developed machine learning and econometrics models to aid in finance’s sales and margin forecast
* Developed statistical models for pricing and margin optimization for all wood products.
* Support the development of sales incentive tool used in forecasting and tracking sales team performance
* Built Power BI dashboards to provide real-time financial insights to engineered wood product team.
* Developed predictive and machine learning model to forecast glulam products for sales reps.
* Built and optimized SQL queries and store procedures to improve sales model for three business lines.
* Built data pipelines in Microsoft Azure Data Factory for in sales incentive tool and reporting.
* Automated line level data workflows between the server and the sales app using Power Automate.
* Built SQL procedures and custom ETL processes to optimize data retrieval and transformation.
* Load line level data from Snowflake into Azure SQL server and manage price rebate with load builder

**Key Achievements**

* Built forecasting app end-to-end, saving sales team hundreds of thousands annually.
* Implemented **predictive models for the wood product pricing team.**
* Built pipeline to **automate reporting for the finance team,** replacing manually managed excel workflows.
* Developed a **sales incentive tracking system** to improvesales targeting accuracy and decision-making.

**Data Analyst Intern**  June 2022 – Aug. 2022 Weyerhaeuser

* Developed Power BI dashboards for cross-functional teams.
* Developed predictive machine learning models for sales of multiple products (lumber and parallam).
* Created dataflows used to develop Power BI dashboard by WP business line.
* Performed data querying, manipulation, and transformation using SQL scripts and stored procedures.
* Built SQL procedures and custom ETL processes to optimize data retrieval and transformation.
* Developed and executed Power Automate flows to streamline data workflows and automate reporting.
* Collaborated with stakeholders to gather requirements, design and develop reporting solutions.

**Economic Research** Jan. 2020 – May 2022

Kansas State University (KSU)

* Collected, clean, and organize large datasets using Excel, Power Query, and SQL.
* Performed exploratory data analysis to identify patterns, trends, and insights.
* Developed econometrics models and conducted research on causal inference through data bootstrapping.
* Applied Frequentist, Bayesian, and Machine Learning techniques for forecasting and analysis.
* Published research in academic journals and present findings at conferences.

**Data Analyst Intern**  Oct. 2018 – July 2019  
ZF Group

* Developed and maintained Power BI dashboards for Braking units.
* Developed and executed SQL queries to retrieve and analyze inventory data.
* Managed data integration and transformation processes to ensure accurate and timely reporting.
* Collaborated with airbag and camera department to understand reporting solutions for the vendors
* Created and maintained documentation for data processes and reporting procedures.
* Provided technical support to users, troubleshooting Power BI and SQL-related issues.

**Education and Training**

PhD Kansas State University (Economics and Econometrics) 2025

MSc. Eastern Illinois University (Economics) 2019

BSc. University of Lagos (Economics) 2015

**Relevant Coursework**

* Advanced Econometrics, Economic Forecasting, Machine Learning and Time Series Analysis