JOVI UKWADE

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PROFESSIONAL SUMMARY

Data analyst with over 2 years in predictive modeling, SQL and AWS data pipelines, and executive reporting. Background in actuarial science and credit risk, plus hands-on experience architecting and deploying AI tools that answer business questions from company data. MS in Data Science from Texas Tech University.

PROFESSIONAL EXPERIENCE

Makasa Sun | *Solar and hybrid power for telecom mast sites* **Remote**
Data Analyst **June 2023 – May 2025**

- Predictive Maintenance: Built and maintained the generator fault model (ARIMA, XGBoost), flagging sites due for an engineer check-up from fault-code history at 87% precision. Results used in planning a 200+ site expansion worth $2.1M in projected revenue.
- Project Leadership: Headed the predictive maintenance project from start to finish, agreeing deliverables and timing with leadership and managing a 3-person finance team.
- Reporting Automation: Ran weekly reporting for 1,200+ telecom mast sites and moved it off manual Excel onto Python scripts and automated pipelines (SQL, AWS S3, Redshift), cutting weekly reporting time from 40 hours to 10.
- Data Integrity: Maintained the quality of incoming site data with SQL validation checks that caught bad readings before they reached reports, and investigated sites that stopped sending data.
- KPI & Executive Reporting: Set the standard KPI definitions every team reported against, and produced the recurring performance reports and Power BI and Tableau dashboards C-suite leadership used for capital allocation, improving operational efficiency by 15%.
- Payment Analysis: Analyzed 50K+ monthly site payment transactions (Python), improving forecast accuracy by 10% and reducing revenue variance by $120K annually.

Guaranty Trust Bank | *Credit Risk, Retail Lending* **London, United Kingdom**
Risk Analysis Intern **June 2022 – August 2022**

- Data Quality: Cleaned and validated 500K+ transaction records (SQL), cutting data preparation time by 60%.
- Dataset Preparation: Prepared the loan default modeling dataset, joining customer, loan, and repayment tables and setting the definition of default used by the model.
- Credit Risk Modeling: Developed retail loan default models in R across 10K+ borrowers (82% accuracy), comparing logistic regression with decision trees and choosing on explainability, not accuracy alone.
- Model Communication: Presented model findings to non-technical colleagues and helped the risk assessment team turn model outputs into business decisions.

PROJECTS AND CLIENT WORK

Vuee | Founder
AI decision platform for an import-wholesale distributor

- Product Design: Design and build an AI platform on the client's cloud ERP database of customer and wholesaler transactions, giving the owner one place to ask about stock, invoices, currency rates, and sales and profit by product.
- Agent Workflow: Build and maintain the agent workflow (LangGraph, LangSmith), breaking multi-part questions into steps and pulling only the records each step needs.
- Human Approval: Every action the system proposes, such as a transfer invoice, waits for manager sign-off before it runs.

Fifi, Biological Body Reconstruction Pipeline | Founder & Lead ML Developer | GitHub

- Multi-Agent Review: Run a multi-agent research system (NeMo Guardrails, DeepEval) where a separate validation agent reviews each finding and can veto it.
- Cost Management: Designed a tiered context setup for the agents that cut token usage by 54 to 71%, depending on session type.
- Model Development: Train a Vision Transformer on 100K+ synthetic body scans on Texas Tech's HPC cluster, plus LightGBM and XGBoost models that give an uncertainty range with each prediction.

EDUCATION

Texas Tech University, Rawls College of Business **Lubbock, TX**
Master of Science in Data Science | GPA: 4.0 May 2026
Relevant Coursework: Applied Multivariate Analysis | Time Series Analysis | Operations Research | Database Management Systems

University of Essex **Colchester, United Kingdom**
Bachelor of Science in Actuarial Science July 2023

TECHNICAL SKILLS

- Analytics & BI: SQL | Python | R | PySpark | Excel | Power BI | Tableau
- Statistics & ML: Time Series (ARIMA) | XGBoost | LightGBM | Logistic Regression | PyTorch | LoRA Fine-Tuning
- AI & LLM Tools: LangGraph | LangChain | LangSmith | RAG | MCP | NeMo Guardrails | DeepEval | pgvector
- Cloud & Engineering: AWS (S3, Redshift, Athena) | Supabase | Railway | Git | CI/CD