

# FUNKE OLALEYE

East Brunswick, NJ | 201-914-4840 | ofunke.olaleye@gmail.com  
<https://www.linkedin.com/in/funkeolaleye>

## SENIOR DATA SCIENTIST

Data Science Leader with 10+ years of experience architecting enterprise ML systems and customer intelligence platforms for churn, health scoring, and decision automation. Proven technical authority who establishes ML standards, mentors senior data scientists, and translates complex modeling into scalable, production-grade architectures. Expert in time-series, NLP, and MLOps across cloud and enterprise data environments.

### AREAS OF EXPERTISE

Production ML | ML & Architecture & Standards | Statistical Modeling | NLP & Deep Learning | Time-Series | Decision Science and Product Analytics | Cross-Functional Leadership | Business & Strategic Impact | Experimentation and Causal Inference | MLOps & CI/CD | Executive Communication | Responsible AI & Governance

### TECHNICAL SKILLS

<b>Programming Lang:</b>	Python (NumPy, Pandas, Scikit-Learn, Statsmodels), SQL, Regex
<b>ML &amp; Stats:</b>	Supervised & Unsupervised Learning, Deep Learning, Time-Series, NLP (Topic modeling, BERT), Experimentation, Multi-Objective Optimization
<b>Gen AI:</b>	RAG, LangChain, LLM, Vector Databases, Embeddings
<b>Cloud:</b>	GCP (Vertex AI), AWS SageMaker, CI/CD pipelines, Model Monitoring, ML Deployment, Retraining
<b>Data Platforms:</b>	BigQuery, Teradata, PostgreSQL, MySQL, MongoDB, Snowflake, dbt
<b>BI &amp; Viz:</b>	Tableau, PowerBI, Amplitude, Matplotlib, Seaborn, Plotly
<b>Leadership:</b>	Mentorship, Architecture Reviews, ML Best Practices, Executive Stakeholder Communication

### PROFESSIONAL EXPERIENCE

#### Verizon

May 2022 – Present

##### Senior Engineer Consultant – Data Science

- Architected enterprise ML systems for churn prediction, customer health scoring, revenue optimization, and experience risk detection across millions of customers.
- Developed high-impact production models, handling class-imbalanced and temporal dependencies, including XGBoost propensity system (0.96 AUC), generating \$3M+ annual.
- Designed end-to-end NLP pipelines for call transcripts & social media using deep learning and topic modeling to surface latent churn drivers, enabling executive decision-making and proactive retention strategies.
- Built a unified time-series framework integrating 50+ multi-channel data sources to quantify experience volatility and proactively mitigate churn exposure.
- Led ML platform architecture and cloud migration for VOC models on GCP, implementing automated retraining, model monitoring, and CI/CD pipelines.
- Designed and execute A/B and multivariate testing frameworks to validate ML model, measure business uplift and drive continuous optimization across marketing and customer experience.
- Established ML architecture standard, Responsible AI governance and best practices across all deployed models.
- Mentored junior and mid-level data scientists through design/code reviews and structured knowledge transfers
- Partnered with product, engineering, and leadership to translate business goals into scalable ML system architectures

#### Correlation One

Mar 2022 – June 2022

##### Fellow

- Designed and delivered enterprise forecasting and planning models in Anaplan, translating complex business requirements into production ready analytical architectures and decision dashboards.
- Earned Anaplan Professional Model Builder certification, demonstrating advanced capability in model architecture, data hub integration, and predictive planning workflows.

<b>Sound of Your Love</b>	<b>Mar 2020 – May 2022</b>
<b>Data Analytics Lead</b>	
<ul style="list-style-type: none"> <li>Defined KPI frameworks and enterprise metrics architecture supporting strategic decision making, experimentation, and performance measurement across product and operations.</li> <li>Designed and deployed 100+ executive dashboards and analytical reports, translating customer behavior signals into actionable insights and roadmap priorities.</li> <li>Led cross-functional product analytics initiatives, shaping long-term data strategy and embedding advanced analytics into core business workflows.</li> <li>Communicated complex analytical findings to executive audiences, influencing investment prioritization and operational optimization.</li> </ul>	
<b>Data Science for All</b>	<b>Oct 2021 – Mar 2022</b>
<b>Fellow</b>	
<ul style="list-style-type: none"> <li>Architected a real-time sentiment-analysis system integrating the streaming data ingestion with automated model inference to track and forecast public sentiment trends during COVID-19 variants emergence.</li> <li>Completed a highly selective (2% acceptance rate) fellowship in Python, SQL, and advanced ML methodologies.</li> </ul>	
<b>Omdena</b>	<b>Oct 2020 – Dec 2020</b>
<b>Machine Learning Engineer</b>	
<ul style="list-style-type: none"> <li>Engineered a production NLP recommendation system using TF-IDF and cosine similarity to vectorize 300+ complex case documents, improving case discovery and decision turnaround.</li> <li>Collaborated with 40+ engineers and organizational leaders to ideate, scope, and deploy ML systems for international social impact organizations.</li> </ul>	
<b>Women Who Code</b>	<b>Aug 2020 – Oct 2020</b>
<b>Webinar Panelist and Lead</b>	
<ul style="list-style-type: none"> <li>Designed and delivered an advanced machine learning webinar series for a global community; mentoring 50+ engineers in time-series modeling, forecasting and production ML workflows.</li> <li>Built a multi-factor COID risk classification model using AWS Sagemaker, team recognized as Top-7 team finalist in the Mission Predictable Hackathon.</li> </ul>	
<b>Timbrel</b>	<b>Sep 2012 – Apr 2019</b>
<b>Business Analyst</b>	
<ul style="list-style-type: none"> <li>Led enterprise analytics and data warehouse enhancements enabling large-scale mobile and digital product launches.</li> <li>Translated regulatory audit findings into system requirements, strengthened data quality controls, and compliance.</li> </ul>	
<b>BlackBerry</b>	<b>Jul 2008 – Aug 2012</b>
<b>Requirement Manager / Business Analyst</b>	
<ul style="list-style-type: none"> <li>Defined NFRs for 200+ services across three data centers, scaling uptime to four nines and saving \$2.4M annually.</li> <li>Led enterprise security and compliance initiatives ensuring global regulatory adherence.</li> </ul>	
<b>EDUCATION</b>	
<b>Master of Science (M.S.), Computer Science</b>	
Kent State University	
<b>Bachelor of Science (B.S.), Electrical Engineering</b>	
Yaba College of Tech	
<b>CERTIFICATION</b>	
<b>Google Cloud Generative AI Leader (GAIL)</b>	
<b>Anaplan Professional Model Builder</b>	