

Aakriti Dahal

aakritidahal713@gmail.com | bakedfries.github.io/ | linkedin.com/in/aakritid/ | +1 (217) 497-7702

SUMMARY

Analytics-driven data professional with a CS/DS foundation, experienced translating messy data into KPI reporting, dashboards, and decision-ready insights. Comfortable spanning the full stack—from SQL analysis and stakeholder narratives to ML/NLP pipelines—while prioritizing clarity, maintainability, and real-world adoption.

EDUCATION

DePaul University

M.S. Data Science, Computational Methods Concentration, Chicago, IL

Sept. 2024 – Jun. 2026

Knox College

B.S. Computer Science and Data Science, Double Major, Galesburg, IL

2019 – 2024

EXPERIENCE

Pfizer

Feb. 2026 – Present

AI Supply Chain Document Processing Extern

- Designed and built a document pipeline turning unstructured supply chain PDFs into structured, SQL-queryable outputs — eliminating a manual triage process that had no repeatable workflow before this project.
- Worked with supply chain stakeholders to define field requirements and validation rules; built quality checks into the pipeline so output could be trusted without spot-checking every record.
- Delivered a self-serve retrieval layer with metadata filtering so teams can find document versions in seconds rather than digging through folders.

Amazon

Nov. 2025 – Jan. 2026

People Analytics and Operational Strategy Extern

- Analyzed workforce datasets using SQL and Python to surface efficiency and performance patterns — identified KPIs that had been tracked inconsistently across fulfillment center teams.
- Built Tableau dashboards and narrative summaries translating raw metrics into specific, actionable recommendations for non-technical stakeholders.
- Standardized metric definitions and documented assumptions so dashboards could be handed off and trusted without re-explanation — a gap I identified and closed before the engagement ended.

AT&T Technology Academy

Jun. 2022 – Aug. 2022

Data Analyst Apprentice

- Queried AT&T operations data using SQL and Python to produce ad-hoc analyses and recurring KPI reports; delivered findings with clear takeaways, not just numbers.
- Built Tableau and Power BI dashboards helping business teams monitor trends, spot anomalies, and self-serve common reporting questions.

Fusemachines

Jun. 2023 – Sept. 2023

Machine Learning Engineer Intern

- Built fraud detection models on real client transaction data — feature engineering, model comparison, and performance reporting end to end including SQL-based data extraction.
- Translated model outputs into plain-language summaries explaining threshold tradeoffs and false positive rates so non-technical stakeholders could act on findings confidently.

PROJECTS

Customer Churn and CLTV Prediction, Retail Analytics

- Predicted which of 4,300+ customers would churn with 71% accuracy (AUC 0.776) and modeled lifetime value (R-squared 0.788) across 541,000+ transactions — translating purchase history into a retention strategy framework using RFM features, logistic regression, ridge, and lasso.

Seeing Music: TikTok vs. Spotify, Consumer Insights

- Analyzed audio features across 222 charting songs to identify cross-platform popularity drivers; built interactive Plotly dashboards and heatmaps for a non-technical audience.

Hurricane Path Dashboard, Tableau Public

- Built a Tableau dashboard tracking decades of North Atlantic storm data with filters for category, landfall, and season — designed for exploratory analysis, not just display.

SKILLS

Analytics and BI: SQL, Tableau, Power BI, Excel, Google Sheets, KPI reporting, dashboard design, data storytelling, business intelligence

Data and Methods: data cleaning, metric definitions, segmentation, cohort analysis, churn modeling, CLTV modeling, trend forecasting, A/B testing, exploratory data analysis

Programming and Tools: Python (Pandas, NumPy), R, Git, GitHub, Streamlit, scikit-learn, AWS SageMaker