Bini Teklehaimanot

Data Science | AI/ML

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MOTIVATION

*I am passionate about **solving high-stakes business problems** by bridging technical data science with strategic decision-making. I systematically apply my skillset **to deliver tangible value**, specifically in mitigating regulatory risk and driving multi-million dollar efficiencies for the organization and the end-user. I am committed to **continuous learning** and always looking for ways to improve the impact of my work*.

SKILLS & TOOLS

Programming: SQL | Python

Tools: Excel | Power BI | Tableau | Github | AWS | Anaconda | Docker

Math & Stats: Linear Algebra | Probability | Statistics (Hypothesis Testing, AB Testing, CLT, Distributions)

Algorithms: Linear Regression | Logistic Regression | Decision Trees | Random Forest | KNN | k-means | PCA | Causal Impact Analysis | Neural Networks | GenAI | LLMs | Agentic AI

WORK EXPERIENCE

Principal Data Science Consultant, AMA Key Beacon, Kirkland, WA Dec 2023 – Present

- To improve the accuracy of commercial asset acquisitions, I architected and validated a **production-ready classification and recommendation engine**; this identified higher-quality opportunities, resulting in a 22% improvement in risk-adjusted returns.
- To maximize Net Operating Income (NOI) across the portfolio, I designed and **executed A/B tests and causal inference experiments** on renovation pricing and tenant mix, providing data-driven optimizations that increased investor ROI.
- To provide real-time visibility into a $10M+ AUM portfolio, I established **automated ETL pipelines and ML monitoring dashboards** for key metrics (Occupancy, DSCR), which enabled immediate cohort and sensitivity analysis for strategic decision-making.
- To ensure executive alignment on complex financial risks, I managed end-to-end stakeholder communication by **translating high-dimensional model outputs** into clear, risk-aligned narratives and visualizations, streamlining the approval process for major acquisitions.
- To prepare for market volatility and economic shifts, I developed robust **Python/SQL workflows to ingest market data** for Monte Carlo simulations; this enabled rapid downside risk modelling, allowing the firm to stress-test assets across multiple economic scenarios.

Portfolio Program Manager at Microsoft, Prime 8 Consulting, Bellevue, WA Apr 2024 – Dec 2025

- To accelerate the pace of executive decision-making, I **automated portfolio reporting using Python and SQL** to build near-real-time data pipelines, which improved reporting efficiency by 25% and shortened key initiative decision cycles.

- To ensure resources were allocated to the highest-value opportunities, I developed a **data-driven prioritization model** mapping initiative risk scores to projected outcomes; this increased the project success rate by 15% while maintaining strict alignment with corporate ML/AI governance.
- To enable the scalable and compliant deployment of AI models, I established **portfolio management best practices** that integrated GDPR and CCPA requirements, ensuring full auditability and reducing the legal risk associated with large-scale model adoption.

Staff Technical Program Manager, Qualtrics XM, Seattle, WA Jul 2022 – Oct 2023

- To scale the usage of internal machine learning infrastructure, I led **cross-functional Data Governance initiatives** to standardize data quality and pipeline accessibility, resulting in a 25% QoQ increase in platform adoption.
- To eliminate bottlenecks in the product roadmap, I implemented **OKR/KPI-driven planning models** using quantitative data to optimize resource allocation, which reduced quarterly prioritization cycles by 10% and accelerated model deployment.
- To remove manual constraints on the engineering team, I integrated **AI/ML-driven automation tools** for labelling and MLOps workflows, effectively eliminating manual data preparation overhead and accelerating core model delivery timelines.

Senior Technical Program Manager, Microsoft, Redmond, WA Aug 2014 – Jul 2022

- To mitigate massive legal and financial exposure during global expansion, I architected a **data-governance framework** for global ML/AI deployments that ensured enterprise-wide adherence to GDPR and EUDB, **saving $20M+** in potential regulatory fines.
- To address inaccuracies in supply-chain and service reliability, I led a **quantitative redesign of core demand and capacity forecasting models**, which boosted customer satisfaction by 20% through significantly improved operational accuracy.
- To streamline the integration of third-party partners, I implemented a structured, **data-driven program management plan and execution risk modelling**; this accelerated the vendor compliance program deployment by 2 weeks and established MLOps-ready delivery standards.

EDUCATION

Master of Business Administration (MBA) *Florida State University, Tallahassee, FL*
Master of Science (MS) in Computer Systems *City University of Seattle, Bellevue, WA. Emphasis in Analytics*
Bachelor of Science (BS) in Electrical Engineering *Trine University (formerly Tri-State University), Angola, IN*

CERTIFICATIONS

Data Science and Machine Learning Certificate
Certified Information Systems Auditor (CISA)
Certified Data Privacy Solutions Engineer (CDPSE)
Certification In Risk and Information Systems Control (CRISC)

Professional Memberships

Information Systems Audit and Control Associations (ISACA)
International Association of Privacy Professionals (IAPP)