Kashish Lalwani

Texas, USA [Open to Relocation]
[Available Immediately | Authorized to work, F-1 OPT (STEM Eligible)]
work.kashishlalwani@gmail.com | LinkedIn | GitHub | Portfolio | +1 (934) 246 -3035

PROFESSIONAL SUMMARY

Data & Business Analyst with experience translating large-scale operational and financial datasets into stakeholder-ready insights and dashboards across fintech, government, and manufacturing environments. Skilled in advanced SQL, Tableau/Power BI, experimental design, and statistical testing, with a track record of improving reporting accuracy, decision speed and cost efficiency through rigorous data storytelling.

EXPERIENCE

Research Assistant, *CUBIT Lab, Stony Brook University, USA* **Aug 2026 – Present**

- Supporting a data-quality initiative building inter-rater agreement metrics and QC dashboards for research data.

Data Analyst, *Stony Brook University, USA* **Aug 2025 – Dec 2025**

- Engineered SQL/Python pipelines on 1M+ records and 100K+ queries, powering KPI tracking for evaluation.
- Defined True-PIR and bias-diagnostic metrics via statistical testing, standardizing model reliability assessment.
- Diagnosed root-cause instability in ranking outputs through statistical testing, raising confidence in results.
- Deployed latency and throughput monitoring dashboards, giving the team early visibility into performance risk.

Founding AI Engineer, *Versaunt (Aayats), Inc., USA* **May 2025 – Aug 2025**

- Owned BI delivery across 10K+ users and 500K+ queries, shaping product roadmap and go-to-market decisions.
- Designed A/B testing and experimental frameworks over 50K+ daily events, driving cohort-based product decisions.
- Analyzed 1M+ user interaction records via SQL/Python, surfacing engagement trends across core product metrics.
- Partnered with cross-functional stakeholders to define KPI structures aligned to OKRs and business strategy.

Data Analyst, *Saroj Group of Companies, India* **Jan 2024 – Jul 2024**

- Led financial forecasting and variance analysis that raised profit margins 12% through targeted cost optimization.
- Reduced defect rates 40% by applying statistical root-cause modeling to 100K+ production records.
- Built KPI dashboards in SQL, Excel, and Tableau, cutting reporting cycle time 35% across business units.
- Automated four reporting pipelines in Python and SQL, saving 25+ hours monthly and improving data consistency.

Data Analyst, *Kamala Plastics, India* **Jul 2023 – Dec 2023**

- Developed ETL pipelines integrating 200K+ records, enabling cross-departmental statistical reporting.
- Identified root-cause patterns that cut scrap 22% and returns 15% through targeted process changes.

PROJECTS

AI Portfolio Risk & Forecasting Model **Feb 2025 – May 2025**

Stack: *Python, XGBoost, CVaR Optimization, Time-Series*

- Modeled 10+ years of financial data with CVaR optimization, lifting accuracy 18% and Sharpe ratio 15%.

Formula 1 Performance Intelligence System **Feb 2025 – May 2025**

Stack: *SQL, Python, XGBoost, Tableau*

- Delivered a SQL analytics platform tracking 20+ KPIs across 150K+ telemetry records for race strategy.

Aegis: Cost-Aware Real-Time Fraud Detection System **Mar 2026 – May 2026**

Stack: *Python, PySpark, Databricks, Drift Detection*

- Piloted a fraud-detection pipeline on PySpark/Databricks reaching F1 0.9942, cutting financial exposure $19.4M+.

RAG Financial Intelligence Platform (Confidential: Gov. of India) **Sept 2023 – May 2024**

Stack: *Python, LLMs, LangChain, ETL*

- Shipped a gov't-client RAG pipeline, cutting latency 60% and boosting decision efficiency 40%.

EDUCATION

Stony Brook University – *Master of Science in Data Science* **Aug 2024 – May 2026**
Shivaji University – *B.Tech in Computer Science (AI & ML)* **Aug 2020 – May 2024**

TECHNICAL SKILLS & INTERESTS

Data, BI & Analytics: Advanced SQL (CTEs, Window Functions, Stored Procedures), Excel (VLOOKUPs, Pivot Tables), Tableau, Power BI, Looker, Python (Pandas, NumPy), Experimental Design & Hypothesis Testing, KPI Design, Data Storytelling, Sales & CRM Analytics, AI-Assisted Analytics Tooling
Finance & Business: Financial Forecasting, Variance Analysis, P&L Analysis, Cost Scenario Analysis, Cohort Analysis, ETL/ELT, Data Quality & Validation
AI Tooling: Claude, Claude Code, ChatGPT/GPT, Gemini, GitHub Copilot
Interests: Financial Investments, Financial Markets, Professional Chess, Music

LEADERSHIP, AWARDS & RECOGNITION

Best Outgoing Student *(sole recipient)* **| Harvard Hackathon** Finalist **| Student Council** Secretary *(3×)* **| Smart India Hackathon** Finalist — Ministry of Power ***(National)*** **|** Rotaract: **Best Emerging Rotaractor** *(75+ clubs)* , District 3170 **Secretary of the Year | District Chess Champion** *(2023 & 2024)* **| Deputy Chief ,** Training & Placement Cell , DYPCET