

# SAMIKSHA SARDA

Business Analytics Graduate | Data Analyst | Python | SQL | Excel | Tableau

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | [samikshamsarda@gmail.com](mailto:samikshamsarda@gmail.com) | (540) 793-1778 | Alexandria, VA (Open to Relocation)

## EDUCATION

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### Virginia Tech - Alexandria, VA

Master of Science in Business Analytics | GPA: 3.95/4.0 | May 2025

### Virginia Tech - Blacksburg, VA

Bachelor of Science in Cybersecurity Management Analytics | GPA: 4.0/4.0 | May 2024

### Narsee Monjee Institute of Management Studies (NMIMS) - Mumbai, India

Bachelor of Technology in Computer Science Engineering (Data Science) | GPA: 3.67/4.0 | May 2024

## PROFESSIONAL EXPERIENCE

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### Operations Analyst – Campus Services

February 2025 - May 2025

Virginia Tech | Part-time

Alexandria, VA

- Boosted front desk and mailroom efficiency by 30% via time-motion studies and workflow redesigns for 500+ stakeholders.
- Introduced internal controls to improve mail handling accuracy and reduce delays in high-priority institutional communications.
- Shortened event setup time by 20% by optimizing data-driven schedules for 3–5 weekly institutional events.

### Financial Data Analyst

May 2024 - May 2025

Virginia Tech | Part-time

Alexandria, VA

- Built automated financial models in Excel to flag non-GAAP inconsistencies in 20% of 1,000+ firms for better financial planning.
- Raised revenue forecast accuracy by 15% through SQL driven data extraction and risk analysis of historical and projected financials.
- Enabled strategic business insights by developing 4 real-time Tableau dashboards focused on margin and revenue KPIs.
- Partnered with 4 faculty and financial analysts to support investment-related decisions through profitability and variance analysis.

### Operations Analyst – Dining Services

August 2023 - August 2024

Virginia Tech Dining Services | Part-time

Blacksburg, VA

- Minimized stock discrepancies by 15% through inventory tracking and enhanced reporting aligned with operational KPIs.
- Led and mentored 10+ student staff to improve service reliability, applying basic controls for shift coverage and performance.

### Financial Data Analyst

May 2022 - May 2024

Recovery | Part-time

India (Remote)

- Identified \$6M+ in recoverable assets by analyzing investor claims and applying predictive risk analysis to optimize recovery rates.
- Standardized 2M+ records using Python, improving portal match rate by 30% and supporting KPI reporting for investor returns.
- Accelerated resolution of 1,500+ claims by 35% by streamlining communication across legal teams and investor support.
- Segmented investor behavior to identify recovery opportunities, improving first-contact closures by 20% and financial planning.

## SKILLS

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**Technical:** SQL, Python (Pandas, NumPy, Scikit-learn), R, Excel (VBA, Pivot Tables), Tableau, Power BI, PowerPoint

**Data & Engineering:** ETL Pipelines, Data Cleaning, Hadoop, Spark, Databricks, AWS, Azure, Snowflake

**Analytics & Modeling:** Forecasting, DCF, Break-even Analysis, Predictive Modeling, Hypothesis Testing, Risk Analysis

## ACADEMIC PROJECTS

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### Behavioral Analytics and Product Strategy for an E-Retailer

January 2025 - May 2025

- Achieved a 15% marketing conversion lift by segmenting 1.2M customers through RFM analysis in Python.
- Applied Apriori algorithm and Holt-Winters forecasting to drive 10% upsell growth and reduce stockouts by 20%.

### Bank of America Investment Banking Virtual Experience Program on Forage

August 2024 - September 2024

- Identified M&A target via SWOT and built a \$150M DCF model with \$28.40 share price projection.
- Conducted sensitivity analysis (\$130M–\$175M) and risk analysis to build a one-page profile consolidating 10+ financial KPIs.

### Predicting Cybersecurity Breach Risks

January 2024 - May 2024

- Engineered 20 ML features to raise breach prediction accuracy to 87%, improving security insights for 100+ firms.

### A/B Testing for Website Optimization

January 2024 - May 2024

- Ran A/B tests on 50K+ users, increasing repeat visits by 15% and homepage clicks by 18%, driving user engagement.
- Increased conversions by 20% and order size by 12%, with 25% ROI improvement via data-driven changes.

## CERTIFICATIONS

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- [Google Analytics 4 \(Google\)](#)
- [Specialization in SAS and Visual Analytics \(SAS\)](#)
- [JP Morgan Chase Investment Banking Simulation \(Forage\)](#)