

## EDUCATION

### RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

Rutgers Business School- Newark, NJ

*Master of Information Technology and Analytics*

**Relevant Coursework:** Machine Learning, Big Data & Cloud Computing, Data Visualization & Analytics, Business Forecasting

### CLARK UNIVERSITY- Worcester, MA

Bachelor of Science, Major in Public Administration

December 2025

December 2024

## SKILLS

- Languages & Analytics:** Python (Pandas, NumPy, Scikit-learn), SQL (MySQL, PostgreSQL), R, Excel (Power Query, PivotTables)
- Cloud & Data Engineering:** AWS (Kinesis, Lambda, EC2, S3, Redshift), Kafka, PySpark, Linux
- BI & Visualization:** Tableau, Power BI
- Machine Learning & Analytics:** EDA, Time Series Forecasting, Feature Engineering, Classification, A/B Testing, Hypothesis Testing
- Business & Communication:** Dashboarding, KPI Design, Data Storytelling, Cross-functional Collaboration
- Certification:** AWS (Amazon Web Services) Academy Graduate - Data Engineering & Cloud Foundation

## EXPERIENCE

### Fosun Capital Investment Management, LLC

May 2024 – December 2024

Financial Data Analyst Intern (Remote)

- Analyzed financial datasets for **10+ investment** cases using **Python (Pandas, NumPy)** and **SQL**, supporting valuation, portfolio monitoring, and investment committee decision-making.
- Built **DCF, comparable company, and multi-factor valuation models** incorporating macroeconomic and industry indicators; scenario analysis insights helped improve projected **portfolio IRR from ~19% to 22%**.
- Designed and automated **Excel and Power BI dashboards** tracking **liquidity ratios, leverage, covenant headroom, and valuation KPIs**, reducing manual reporting and turnaround time by **-35-40%**.
- Conducted **exploratory data analysis (EDA)** to detect financial anomalies and performance drivers; findings improved investment proposal relevance by **-15%**.
- Supported **due diligence across 8+ shortlisted targets**, performing trend and variance analysis and translating valuation results into **executive-level visuals** for partner and investment committee discussions.

### Ocean Fortune Glory Asset Management, LLC

May 2023 – August 2023

Financial Data Analyst Intern

- Processed and reconciled **285K+ portfolio and transaction records** using **SQL and Excel**, ensuring data accuracy for recurring reporting and analysis.
- Performed **trend, variance, and ratio analysis** to assess **risk exposure, leverage, and liquidity** across multiple portfolio holdings.
- Built **automated SQL workflows and Tableau dashboards** to streamline reporting and visualize portfolio returns and key risk indicators, improving decision efficiency.

## PROJECTS

### Credit Card Fraud Detection | Python, Scikit-learn, SMOTE

2025

- Utilized **Python (Pandas, Scikit-learn)** to preprocess 285K+ transactions and apply **SMOTE** for class balancing; improved model recall by 15% on fraud detection.
- Trained and optimized **SVM, Random Forest, and Logistic Regression models**, achieving **97.4% AUC**; visualized results using confusion matrix and precision-recall curves.

### Student Academic Performance Database | SQL, ERD, Tableau

2025

- Designed a normalized **SQL database** for 500+ students, writing 25+ queries (with **JOINS, CTEs, GROUP BY**) to analyze GPA trends and tutoring effectiveness.
- Built interactive **Tableau** dashboards with filters and slicers to visualize academic KPIs; enabled data-driven curriculum improvements.

### Real-Time Stock Price Streaming & AI Forecasting Pipeline | AWS, Python, Kafka, LLMs, Tableau

2025

- Built real-time stock data pipeline using **AWS services (Kinesis / Lambda / EC2)** to ingest minute-level price feeds.
- Processed streaming data with **PySpark**; stored in **AWS S3 + Redshift** for analytics and reporting.
- Implemented **ML and LLM** hybrid forecasting workflow: time-series regression + prompt-based market sentiment analysis.
- Built **live Tableau dashboard** for price trends & anomaly alerts; demonstrated predictive signals for 2025 test window.
- Automated **ETL & monitoring**; designed modular pipeline for API ingestion, back-testing, and data quality checks.