

Neal Iyer

McLean, VA

neal.iyer88@gmail.com / 240-644-7960

PROFESSIONAL SUMMARY

Data Analyst with expertise in financial modeling, asset pricing, consumer financial services, and loan economics. Strong experience in data analytics, pricing strategies, and portfolio optimization to support business growth.

PROFESSIONAL SKILLS

Financial & Loan Economics: Fixed income analysis, asset pricing, portfolio segmentation

Data Analytics & Statistical Modeling: Consumer insights, risk assessment, trend analysis

Pricing Analytics & Revenue Optimization: Data-driven pricing tools, market strategy evaluation

Data Manipulation & Automation: SQL (PostgreSQL, SQL Server, SQLite), Python (Pandas, NumPy, PySpark)

Machine Learning & Forecasting: LightGBM, Random Forest, ARIMA, regression modeling

Cross-Functional Collaboration: Partnering with product and analytics teams for model assessment

EXPERIENCE

Budget Analyst

December 2023 - March 2025

Substance Abuse and Mental Health Administration, Department of HHS

- Extracted key financial insights to improve budget forecasting and portfolio tracking.
- Developed a real-time automated loan tracking system using Python and Excel, reducing reconciliation time by 2 hours per month.
- Created pricing analytics dashboards in Tableau & Python, providing stakeholders with revenue optimization insights.
- Conducted trend analysis on financial transactions, improving financial modeling accuracy by 20%.
- Collaborated with analytics teams to enhance financial reporting processes.
- Automated data cleaning, integration, and modeling for financial forecasting, running bi-weekly Python scripts and reducing manual processing by 10 hours per month.
- Designed Excel VBA-based incentive tracking system, increasing data accuracy by 85%.

Budget Analyst

March 2021 - December 2023

CRI – Department of the Interior

- Performed revenue and cost analysis to assess financial impact on government programs.
- Assisted in financial modeling and pricing evaluations, optimizing resource allocation.
- Developed automated reporting solutions, reducing manual processing time by 10+ hours per month.
- Partnered with financial and technical teams to improve economic analysis workflows..

Accounting Analyst

December 2020 – March 2021

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- Conducted financial modeling and pricing analysis to optimize corporate expense allocations.
- Built dynamic financial reports, improving stakeholder decision-making capabilities.
- Identified revenue trends and developed recommendations for pricing improvements.

Fund Accountant

August 2018 – September 2020

FrontStream

- Managed financial data tracking and forecasting for Fortune 500 clients.
- Automated pricing and financial reporting workflows, saving 250+ hours annually.
- Analyzed consumer financial behavior trends, supporting revenue forecasting accuracy by 20%.
- Developed VBA-based automation tools, reducing manual errors by 30% and improving financial reporting efficiency.
- Created monthly financial reports, providing actionable insights that contributed to a 20% increase in revenue forecasting accuracy.

EDUCATION AND CERTIFICATIONS

Flatiron Data Science Bootcamp Certificate

- Built predictive models for classification & regression using LightGBM, Random Forest, SMOTE.
- Developed Time Series Forecasting models (ARIMA, SARIMA, SARIMAX, Prophet) to analyze and predict trends.
- Designed ETL pipelines in Snowflake, AWS, and optimized SQL queries.
- Created interactive dashboards in Tableau for data storytelling & visualization.

University of Maryland (UMBC) – Baltimore County

- Bachelor of Arts, Economics