**Summary:**

* Analytics, Modeling & Strategy consultant/Engineer specializing in business and consumer insights, hands-on experience in Statistical Analysis & Visualization, R, Python & Pl/Sql Programming, Strategic Planning & Execution with proven track record of building teams and delivering value.
* Designed and Collaborated on Advanced Analytics, Business Modeling, Statistical Analysis & BI initiatives for Barclaycard, First Data, Apple Pay, Clover, BB&T Bank & Bed, Bath and Beyond.
* Lead Analytics Projects for First Data International Clients in Canada, Germany, Ireland, Latin America, Asia and Australia.
* Developed and successfully implemented underwriting systems and strategies, fraud scorecards, fraud rules for payment processing for First Data, Bank of America Merchant Services, PNC, SunTrust and Major FD Alliances.

# Tools: R, SQL, SAS, Python, Spark, Tableau, Hadoop, Hive, Impala, Oracle, Netezza, Cognos, Web Focus, DB2, VB, C, SQL, UNIX, Shell Scripting, AWS, Azure

# Experience

* **Bed, Bath & Beyond – Union, NJ April ’17 – Present**

Consultant – Replenishment Modeling & Optimization

* Designed & Built the Replenishment Optimization Model using the Statistical Safety stock method in R.
* Statistical Model Improved Turns by 3 times, reduced the stock-outs and increased gross margin return on investment.
* Used Spark MLlib library to build decision trees to choose among the optimal statistical method and tune parameters. Also used partykit, RandomForest trees to validate the results.
* **BB&T Bank - Winston-Salem, NC May ’16 – Mar ‘17**

Consultant - CCAR Business Data Analytics & Modeling

* Designed & Built the Small Commercial Stress Test and Data Quality reconciliation models.
* Designed & Built CCAR Edit Checks for FR-Y-14Q Schedules (PPNR, Securities, RCT, RCI, FVO/FVV) in SAS.
* Designed & Built the metadata management framework for CCAR Reports and Schedules.

# First Data Corporation - Melville, NY, Jersey City, NJ Apr ’10 - April ‘16

Lead Business Analyst - Advanced Analytics, Data Mining, AppDev, BI & Strategy

* Designed & Built Business Analytics Models (Prediction, Forecasting, Optimization, Ranking, Targeting and what-if scenarios), BI Dashboards & Reporting Solutions in R, Tableau, Cognos & WebFocus by working alongside business sponsors and technology partners.
* Built Sales, Revenue, Interchange, Assessment, Attrition and Growth models & respective validation processes.
* Lead the BA Team and contributed to the development of various Applications, Products and solutions (Transarmor, Clover, Insightics, Perka, etc.) that resulted in a new revenue streams.
* Built and Managed Business Rules, Models & Metrics related to Product Strategy, Financial and Management Reporting, Strategic Planning and forecasting, Profitability modelling, optimization, Payment card fraud Analytics & Financial Risk Management.
* Created governance processes around enterprise to ensure integrated definition of data and to ensure the accuracy, validity, and reusability of meta-data.
* Advised on data integration from disparate systems to create a holistic Data, Analytics and Reporting environment and ensured the accuracy of data mappings and master data Management (MDM) best practices across the Business.
* **Barclaycard Plc. JUL ’06 – Dec ’08**

Software Engineer

* Received ‘Pat-on-the-back’ award for contribution to the creation of Customer Interface Desktop application for easy analysis of data to keep track of credit card production details for the business users.
* Developed automation scripts for data center move project for the smooth migration of the Barclaycard operations from Manchester to Gloucester.

# Education

* **Exec Education, Financial Risk Management** - New York University. - 2013
* **MBA, International Finance -** Texas A&M Intl’ University. - 2009
* **B.E., Electrical** **& Electronics Engineering**, Anna University, India. - 2006

# Certifications

* Bloomberg Certified Professional for Fixed income - 2009
* Tackling the challenges of Big Data (MIT Professional Education) - 2015

# Online Courses & Trainings

Customer & Operations Analytics, Business Metrics for Data Driven Companies , R–Programming, Hadoop Platform and Application framework, Big Data, Data Science, Building a Data Science Team, Data Scientist’s Toolbox, Statistics with R, Business and Financial Modeling, Statistical Learning, Analytics in Python

**Visa Status:** H1-B (Green Card I-140 Approved)

**Keywords:** businessmodeling, advanced analytics, statistical analysis, algorithms, time series, forecasting, segmentation, prediction, simulation, optimization, ranking, targeting, and what-if scenarios, linear/multiple/logistic regression, bayesian structure, ARIMA models, decision trees, clustering, randomforest, pca, predictive/bayesian analysis, machine learning.

*Here is my* [LinkedIn](https://www.linkedin.com/in/srirampsambasivam) *Profile, let’s connect!*