

# Suki Subramaniam

Data Scientist | Program Manager

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## Summary

**18 years' overall experience** in delivering optimal results & business value in high-growth environments with a successful track record of delivering on/before time and within budget.

**10+ years** of experience in **Data Science and Advanced Data Analytics**. Experience in conceptualizing, developing, implementation & partnering closely with business leaders, various stakeholders & senior level executives.

## Experience

**Oct'2016 - Present**

**Cognizant Technology Solutions**  
**Senior Manager – Lead Data Scientist**

Worked in multiple ML projects in different roles like Data scientist, ML/NLP Engineer, Data Engineer, and Project Manager.

Contribution to the Data science department in the areas of RFP response, Solutioning, Hiring lateral and new resources, Training enablement, Mentoring junior DS resources.

**Dec'2013 – Oct'2016**

**Kantar**  
**Deputy Manager**

Responsible for executing market research projects from start to finish (Research design, questionnaire development, Fieldwork Monitoring, Deliverables), working directly with internal and external client teams.

**Jun'2011 – Oct'2016**

**AARAA IT Consultancies**  
**Business Consultant**

Defining and managing requirements, Schedules, Timelines, Scope, working with the multiple business groups and stakeholders in planning the project life cycle.

Analyze and interpret results on the effectiveness of marketing, advertising, and communications programs.

**Dec'2013 – Oct'2016**

**Vertex Infocomm**  
**Business Analyst**

Requirement analysis, Stakeholder management, Consulting services to the client in the areas of application platform consolidation, Tally software migration, technology architecture, and evaluation of new application software products.

**Dec'2013 – Oct'2016**

**ICICI Bank**  
**Assistant Manager**

Accountable for maintaining appropriate documentation, managing Front office operations and verification officer for cash teller operations.

## Skills Expertise

**Data Science:** Data Mining and Extraction, Exploratory Analysis, Machine learning, Predictive Analytics, & NLP.

**ML Libraries:** Pandas, Scikit-learn, Gensim, spaCy, MLlib, TensorFlow

**Cloud:** AWS (Glue, Athena, SageMaker)

**Programming:** Python, PySpark, R

**Databases:** MS-SQL, MySQL, Hive

**Data Visualization:** Tableau, Power BI, Dash

**Project Management:** Delivery Management, Stakeholder relationship, Team Management

## Academic Qualification

**MPIB (Master's Program in International Business) - Apr2005**

PSG Institute of Management in affiliation with Indian Institute of Foreign Trade, New Delhi.

**Bachelor's degree in Applied Sciences and Computer Technology (B.Sc. CT) - Apr2002**

PSG College of Technology, Coimbatore.

## Certifications

**2022 – Udemy** - AWS Certified Machine Learning Specialty - Hands On!

**2018 – DataCamp** – Data Scientist with Python track

**2015 – Coursera** – Certifications on Data mining, Exploratory analysis, R-programing.

**2015 - SAS Institute** - SAS Certified Predictive Modeler using SAS Enterprise Miner 13

## Key Projects

**Client: One of the largest Automobile manufacturers**

**(Since Apr'2022)**

Job Role: Lead Data Scientist

- Data Extraction, Data Transformation and Exploratory Data Analysis.
- Built Propensity models to predict the likely in-market customers for different products who can be targeted for marketing team.
- Research on Customer Journey analytics using multiple touchpoint attributes of a customer.

**Technologies:** Python, PySpark, AWS Sagemaker

**Client: American multinational technology company**

**(Jul'2018 – Mar'2022)**

Job Role: Senior Data Scientist

Worked on several NLP and ML use cases like:

- Build and monitor Data pipelines and Batch workflow jobs to automate training data preprocessing and ML model retraining.
- Text classification models using scikit-learn and spark's MLlib packages.
- Text Preprocessing using libraries like NLTK & Spacy.
- Topic Modelling & Clustering using Word2Vec / FastText embeddings, k-Means/DB Scan/ NMF algorithms.
- Content based Recommender system - vector similarity model
- Build and monitor BI Dashboards in Tableau to track the model usage and accuracy.
- Built basic web applications using Python Flask frameworks for creating APIs and model deployment prototypes.

**Technologies:** Python, PySpark, Tableau, Hive, Apache AirFlow, Jupyter notebook in Sparkcluster

**Client: Deutsche Telekom**

**(Jan'2018-Jun'2018)**

Job Role: Data Scientist and Project coordinator

Predictive Incident Analytics

- Forecasting the volume of alarms from diverse network elements installed across the country.
- Prediction of network event impact that helps business to prioritize and resolve the high impact incidents.

**Technologies:** Python

**Client: Unilever**

**(Sep'2017-Dec'2017)**

Job Role: Analytics Consultant

TAPE (Ticket Analysis & Predictive Engine)

- Exploratory analysis, Word clouds using Text mining techniques.
- Classifying the Incidents based on the phrases in Incidents summary using Topic Modelling techniques to classify the incident types.

- Volume Forecasting for the Incident types using time series models.

**Technologies:** Excel, R Studio, R Shiny

**Client: Philips healthcare**

**(Oct'2016-Aug'2017)**

Job Role: Analytics Consultant

- Business Case Models with Pricing strategies for new product launch.
- Sensitivity Analysis: Estimate the sensitivity for the key factors/drivers that impacts NPV, Cash flow and rank accordingly.
- Dynamic Scenario Analysis using “What If Analysis” - to provide overview on the cash flow for different scenarios.

**Technologies:** Excel, Power BI, Python

## ***PERSONAL DETAILS***

**Address** : 101, Kamadhenu Nagar, Coimbatore – 641006.

**Date of Birth** : 16 Dec 1981

**Languages known** : English, Tamil & Hindi

## ***DECLARATION:***

I do hereby confirm that the information given in this form is true to the best of my knowledge and belief.

(G. Suki Subramaniam)

Place: Coimbatore