Rahul Reddy Gajjada **in**

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Areas of Interest: Data Science, Artificial Intelligence

Domain: Telecom	Specialization: Telecom Billing

Summary

Rahul Reddy Gajjada is a Data Science professional with **1.5+** years of hands-on experience in Data Science, Machine learning and software development with domain expertise in **Telecom Industry.**

Rahul Reddy Gajjada has completed **Data Science Signature Program** from **Data Science Authority**. He has completed the **Technology and Entrepreneurship Programme** from **ISB**, and has done his graduation in ECE from **VNR Vignana Jyothi Institute of Engineering and Technology**.

He is trained in **R, Python, Tableau, Octave, Keras-Tensorflow, SQL, MatLab, Spark, Hadoop and other NoSQL Data systems.**

Work Experience

Tata Consultancy Services

Developer   **2017-Present**

Responsibilities :

- A result oriented Data Science professional with **1.5**+ years of experience in Telecom domain.
- To ideate and create Analytics business use cases in **Telecom industry** and present it to senior leadership and clients
- Playing active role as a Data Scientist using Analytical tool like R, Python and Tableau.
- To manage and conduct Technology specific sessions and play a key role in building digital competencies among the team members as the chief coordinator for the Talent Development unit.
- To create Machine learning POCs (Proof of Concept) for the validated business use cases.
- Experienced in Data gathering, cleaning, validation, quality, exploratory data analysis, missing value and outlier treatment.
- Experienced in Statistical Modeling and Machine Learning (Selection, Training, Validation, Deployment)
- Keen interest in identifying new techniques and in Research & Development.
- Solution Response - Participate / drive the overall solution designing as per the requirements.

Key Engagements:

1. **BEST FIT OFFER SUBSCRIPTION RECOMMENDATION**
   - Analyzed all the requirements, developed architecture, prepared solution to predict the usage patterns of customers.
   - Using R fetched the required data from Cassandra, prepared data for modeling, trained and implemented the **ARIMA** forecasting model.
   - Designed a User Interface using R shiny which showcases the usage statistics of any selected individual customer.
     Models evaluated: Forecasting: ARMA, ARIMA, SARIMA, Exponential Smoothing

2. **REAL TIME CALL DATA ANALYTICS**
   - Developed a framework to manage and analyze the call data in real-time by integrating Python, Kafka, Cassandra and Tableau.
   - Using Python automation scripts simulated the live call detail record traffic and stored them into Cassandra database using Kafka as a message broker.
   - Created a dashboard in Tableau for the Customer Service Providers which visualizes the data traffic by fetching the data from Cassandra.
     Tools Used: Python, Tableau, Kafka, Cassandra

TECHNICAL SKILLS

LANGUAGE	R, Python, C++, HTML, CSS
Modeling Techniques Known	**Data Preparation:** Imputation, Outlier detection, Factor Analysis, PCA **Statistical inference and Prediction:** Population Inference, Hypothesis Testing, Anova ,Linear Regression, Logistic Regression, Survival Analysis **Forecasting:** Exponential Smoothing, ARIMA, SARIMA **Machine Learning:** Unsupervised Machine Learning: Hierarchical Clustering, K-means clustering Supervised Learning: Decision Tree, Random Forest, Naive Bayes, Association Rule Mining(Apriori), Artificial Neural Networks(ANN), SVM, Deep Learning(CNN), Reinforcement Learning(Q learning)
OPERATING SYSTEM	Windows, Unix
DATABASE	Oracle 11g, SQL, PLSQL, Cassandra
TOOLS	Tableau, Excel Optimzer, Putty, Gitlab
IDE	R Studio, PyCharm, Octave, SQL Developer
OTHERS	Shell Script

INTERNSHIPS

Gigadocs Technologies   **Feb, 2018-Apr, 2018**

Title: Data Science Consulting Intern

- Worked in a project that was geared towards formulating **Enterprise Data Science Strategy** for Gigadocs.
- Various phases of the project included understanding the current business landscape, performing **competitor analysis**, performing current state due diligence and subsequently determining data science maturity of the organization.
- Participated in Business Health Assessment, **Analytics use-case development/evaluation** and sketched the **data sourcing strategy** to support the same.

AWARDS AND ACHIEVEMENTS

- On the Spot Award for contributing for the improvement in Customer Satisfaction Index.
- Applause for Team Award for continuous learning and improvement in competency.

EDUCATIONAL QUALIFICATION

Year	Institute/University	Course	Percentage
2017	Indian School of Business	Technology and Entrepreneurship	NA
2017	VNR Vignana Jyothi Institute of Engineering & Technology	Electronics and Communication	82.34

PERSONAL INFORMATION

Age: 24 Years   **Native:** Hyderabad, Andhra Pradesh

Language Proficiency: English(R, W, S) Hindi(R, W, S) Telugu(R, W, S)