**Leela Sudha Manikonda**

**Summary:**

* 3+ years of expertise in **Data Science** with strong background in **Python, R,Unix scripting** and **SQL**.
* 2 years of experience as **Statistical Business** with **Tableau Desktop** analysis using tools **R** and **Python**.
* Good Knowledge in statistical Predictive modelling using **ANOVA**, **Linear Regression**, **Logistic Regression**, **Clustering** and model assessment using **R** and **Python**.
* Proficiency in all aspects of Excel and used advanced Excel functions to generate spreadsheets and pivot tables.
* Experienced in preparing **DETAILED** documents and reports while managing complex internal and external data analysis responsibilities.
* Experience to identify and learn applicable new techniques independently as needed.
* Experience to create new methods of solution through a combination of foundational research and collaboration with ongoing initiatives.
* Expert in distilling vast amounts of data to meaningful discoveries at requisite depths.
* Ability to analyze most complex projects at various levels.
* Expertise in transforming business requirements into analytical models, designing algorithms, building models, developing data mining and reporting solutions that scale across massive volume of Structured and unstructured data.
* Excellent Analytical, Inter-personal and Communication skills with ability to interact with individuals at all levels in **Software Development Life Cycle**.
* Hand on working experience in machine learning and statistics to draw meaningful insights from data.
* Worked and extracted data from various database sources like **Oracle, SQLserver, DB2** and **Teradata**.
* Well versed in writing **SQL Queries, functions, packages, tables, stored procedures, views** and **triggers.**
* Strong RDBMS concepts and working experience using various database objects across various industry standard databases
* Experienced in developing Web Services with **Python** and **R** programming language.
* Experienced in working with various Python Integrated Development Environments like **IDLE, PyCharm, Atom, PyDev** and **Anaconda**.
* Experience with Requests, **NumPy,Gensim,Summa SciPy, Matplotlib**, and **Pandas python libraries** during development lifecycle.
* Excellent **analytical** and **problem-solving skills** and ability to work on own besides being a valuable and contributing **team player**.
* Capable of advanced technical sophistication of solutions using machine learning and other advanced technologies.

**Technical Skills:**

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| **Operating Systems** | Windows, MAC OSX, Linux(awareness) |
| **Languages** | C, Python (Scikit-learn, pandas, NumPy, genism, etc.), R |
| **Scripting languages** | CSS, Shell Scripting |
| **Markup languages** | HTML |
| **Databases** | My SQL, Microsoft SQL Server 2008, Teradata |
| **MS office tools** | Microsoft Excel, Microsoft Word, PowerPoint |
| **Machine Learning** | Feature Engineering, Classification, Regression, Clustering, Decision Trees, Reinforcement Learning, Principal Component Analysis, Recommendation Systems, Natural Language Processing, Deep Learning Models. |
| **Statistical Methodologies** | Time Series, Hypothesis Testing and Confidence Intervals, A/B Testing, Test of Significance, Linear and Nonlinear Models, Dimensionality Reduction, Bayesian Statistics, Topic Modeling |

**Professional Experience:**

**Data Scientist Developer**: **Verizon**

# Location: Iriving, TX March 2018-Till Date

**Responsibilities:**

* Designed NLP models for searching structured/unstructured data in real/near-real time
* Developed and implemented of novel methods for data extraction from free text data, including named entity recognition, relation extraction, part of speech tagging, etc.
* Experience coding and debugging for text and image processing in PyTorch, Keras and/or TensorFlow.
* Developed and implemented of methods for topic modeling, document clustering and text summarization.
* Developed and implemented of methods for unsupervised identification of keywords and for detection of word similarity: latent semantic indexing, brown clustering, word2vec, etc.
* Designed and coding of algorithms that can enable researchers to identify, categorize, prioritize and process large volumes of free-text scientific literature.
* Developed and implemented of methods for image classification, image segmentation and object identification.
* Experience with supervised, unsupervised and semi-supervised machine learning methods.
* Experience with the key open source software resources in these domains.
* Software coding experience in multiple languages is preferred.
* Strong communication and writing skills in English are essential.
* The ideal candidate will have a proven track record of scientific publication in the fields of machine learning, deep learning, and/or natural language processing.

**Environment:** *Teradata 13.1,Python(ScikitLearn/Gensim/Spacy/Sklearn/SciPy/NumPy/Pandas), R, Business Objects, My SQL, Microsoft Office Suite (Excel, VLOOKUP, Pivot, Access, Power Point).*

**Data Scientist Developer**: **FedEx**

# Location: Memphis, TN March 2016-Feb 2018

**FedEx Corporation** is an American Multinational Courier Delivery Service company headquartered in **Memphis, TN**. Worked with Data Integration Department mainly focus on Integrating **FedEx** data with TNT data. In this process we built different **Python** jobs to perform Data Accessing, Management, Manipulation and Load into Target Tables and worked with Information Management, product and Services department to generate periodic and ad-hoc reports to business users for marketing needs and conduct analysis for business development.

**Responsibilities:**

* Coordinated activities between the business house and technical staff, in developing new methods, policies, and procedures to meet the business needs
* Dived on key business, product, financial, merchant and consumer metrics to develop insights and strategy.
* Created data for the most likely events (e.g. bill surcharge, late fee etc.) that could affect predictions.
* Successfully helped managers recommend accurate strategic plans and implement marketing and business decisions.
* Using Cross-validation, performed model tuning and selection along with parameters tuning to prevent overfitting.
* Training experiment are done using **R** and **python**. Connected database with Jupyter notebook for modeling and used Tableau for visualization and reporting.
* Identified, gathered, and analyzed datasets for customer analysis to create specific machine learning algorithms.
* Developed large data sets from structured and unstructured data and developed data models.
* Performed Ad-hoc reporting/customer profiling, segmentation using R/Python.
* Created statistical models for the collected data, exploratory, pre-processing, to provide conclusions with decision guides.
* Programmed a utility in Python that used multiple packages (SciPy, NumPy, Scikit-Learn, pandas)
* Implemented Classification using supervised algorithms like Logistic Regression, Decision trees, KNN, Naive Bayes.
* Utilized skills in software applications Guide to help managers validate strategy using decision tree analysis and created surplus and analyzing sales data for industry.
* Involved in extensive Data validation by writing several complex SQL queries and Involved in back-end testing and worked with data quality issues.

**Environment:** *Teradata 13.1, Python (Scikit-Learn/SciPy/NumPy/Pandas), R, Business Objects, My SQL, Microsoft Office Suite (Excel, VLOOKUP, Pivot, Access, Power Point).*

**Education:**

* Northwestern Polytechnic University, CA
  + Master’s in Computer Science August 2016
* PVPSIT, Vijayawada, India April - 2012
  + Bachelor of Technology in Electronics’ and Computer’s Engineering