

## Contact

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## Top Skills

Data Analytics

Machine Learning

Deep Learning

# Sai reddy

Data Scientist at ExcelR Solutions  
Bengaluru

## Summary

A curiosity-driven data scientist, eager to leverage machine learning and data analytics to extract meaningful insights, make informed decisions and solve challenging business problems. I ensure to contribute with my knowledge, logical thinking and analytical skills towards the consistent growth and development of the organization, and enhance my experience through continuous learning and teamwork.

- Automated Speech Recognition, which converts speech to text, for various domains. Data Collection by scraping through various financial websites and international news websites, to be fed to the language model.
  - Conversational Language Model. Dataset Preparation, which included extracting and fragmenting audio (raw data samples) from movies and TV Series and mapping them to their respective subtitles (target/labels).
  - Extracting information of data fields from various Government documents, using Optical Character Recognition.
  - Face Detection and Identification with the Person of Interest, both in Video streams as well as from large collection of target images, using Computer Vision techniques and Deep Learning.
- Statistics – Various hypothesis testing, estimation, probability theory, time-series analysis, statistical modeling.
- Machine Learning – Algorithms for Regression (Linear, Logistic), Classification (Decision Trees, Random forest, XGBoost,SVM, Naïve Bayes, k-NN),PCA, Clustering(k-means, Hierarchical).
  - R - Implemented ML Algorithms, used packages like dplyr,glmnet, ggplot, caret,boruta, missForest, mice, dummies
  - Python - ML Algorithms, using packages like Numpy, Pandas, SciPy, Scikit-Learn, Statsmodels, Matplotlib, Seaborn
  - Natural Language Processing – Text Processing, Web Scrapping, Sentiment Analysis, Regular Expressions, NLTK
  - Deep Learning – Neural Networks, RNNs, CNNs, LSTMs; tensorflow, keras.

- SQL - Performing Basic Queries, Sub-queries, Joins, Aggregation, Statistical Functions.
- QlikSense and Tableau – Data Visualization, Business Intelligence, Forecasts, Tables, Charts, Dashboards
- Big Data – Basic knowledge of Hadoop, Map Reduce and Spark, along with all the other tools of the eco-system.

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## Experience

### ExcelR Solutions

5 years 3 months

#### Data Scientist

June 2017 - Present (3 years 3 months)

#### Data Analyst

June 2015 - June 2017 (2 years 1 month)

Bengaluru, Karnataka

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## Education

### K L University

Bachelor of Technology - BTech

### REVA University

Master of Technology - MTech