



Manivasagan K *Junior Data Scientist*

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PROFILE

An experienced Data Science professional, expertise in Analytical Projects and Performance Management over more than 3 years in various domain. Ability to deal with advanced Analytics projects for achieving organizational goals. An intellectual curiosity and the ability to derive complex key info located within large sets of structured, semi-structured and unstructured data. Highly motivated to deal with mathematical and statistical methods to explore data, analyze data and interpret scientifically, but not limited to

- Good in extracting, analyzing diverse complex data/large data sets to identify hidden information.
- Strong Knowledge and experience in Machine Learning & Forecasting Models.
- Good in developing survey, End to End Statistical analysis plan & implementation for organizational/Marketing survey's including technological, staff & customer.
- Ability demonstrates analytical responsibilities that include a range of quantitative & qualitative competitive analysis, Research, Statistical Models & Machine Learning Models.
- Good in data quality, data management & reporting, and strategic support to Research & Development.

SKILLS

Data analytics

*Predictive analytics
Data mining
Preprocessing*

Data visualization

*IBM SPSS
Matplotlib
ggplot2 etc.,*

Deep learning

*PyCaret
Neural Networks
Long Short Term Memory*

Machine learning

*Regression Analysis
Random Forest
K-Means Cluster
PyCaret, NumPy, Pandas.*

Tools

*Jupyter-Notebook
R Programming, R-Studio
IBM SPSS, SQL*

LANGUAGES

• Tamil

• English

PROFESSIONAL EXPERIENCE

Apr 2021 – present	Junior Data Scientist , Data Analytical System & Solutions	Bangalore, India
Sep 2018 – Mar 2021	Data Analyst , Data Analytical System & Solutions	Bangalore, India
Mar 2018 – Aug 2018	Trainee , DASS pvt. Ltd.,	Bangalore, India



PROFESSIONAL CERTIFICATIONS

- SQL Data Analyst - SQL , Microsoft SQL, PostgreSQL, MySQL
- VBA - Excel in Excelgoods
- Certified with Python



PROJECT EXPERIENCE

CUSTOMER LIFE TIME VALUE Project

- Prediction of the net profit attributed to the entire future relationship with a customer
- Using Gradient Boosting Method and Regression and we predicted the future based on train, valid and test.
- Responsible for identify and measure strategic and operational Key Performance Indicators and implement for performance improvement and business analysis.

Analysis of COMPANY REVIEWS, Sentiment Analysis Project.

- To extract the reviews about Company.
- To obtain the Sentiment scores from the extracted reviews.
- Formulate strategic plans for business development and monitoring existing systems to assure the information processed meets the business requirement.

Analysis of SALES DATA

- Predicting Sales Value of the Product based on weekly data.
- Using RLasso and GLMNET to predict the sales value of product for future and its accuracy.
- Analysing the data from various sources, structured and unstructured raw data with large datasets to produce predictive analytics insight reports.
- Responsible for testing and validating performance for authenticating accuracy of data for developing models.

IMAGE RECOGNITION

- Used Tensorflow and lelablmg to detect the logo and predict the Scaling of logo where its locates in the image.
- Design and develop business solutions for Research Projects.
- Designed and developed specific databases for collection, tracking and reporting of research data as appropriate to the position.

Analysis MOTORCYCLE Sales

- Predicting Sales Value of the Product and the Types of Model which successfully run by state wise.
- Using Boosting method and GLMNET to predict the sales value of product for future and its accuracy.
- Developing Machine Learning Algorithms and Implement in Environment.

Customer Churn Prediction

- Handling Imbalanced Data using SMOTEN
- Predict the Churn Sales (Yes/No) based on weekly and monthly report.
- Analysing the data from various sources, structured and unstructured raw data with large datasets.
- Using Pycaret and SHAP model for model prediction, Visualization and its Accuracy.



COLLEGE PROJECTS

Study about REAL ESTATE, Main Project - P.G. Final year

- The aim of the study is to predict a better future land value of real estate outer Chennai.
- To cluster into various groups on the basis of neighbourhood places and facilities.

Analysis about Malnutrition, (Survey Project)

- Conducted a survey on "MALNUTRITION" among 150 respondents' in Chennai.
- To predict the reason of Malnutrition.



Predictive Analysis, About Kidney Diseases

- To Predict best model for the given data.
- On the comparison of the AUC values (train-0.91 & test-0.88) of the test data, gradient boosting and decision trees have good predictive power

Loan Prediction

- Participated and rank listed in online competitions by “Analytics Vidhya”.
- Used Logistic Regression – Accuracy .78

EDUCATION

Jun 2015 – Apr 2017	M.Sc. Statistics, Loyola College / University of Madras 	Chennai, India
Jun 2012 – Apr 2015	B.Sc. Statistics, Loyola College / University of Madras 	Chennai, India

PERSONAL MINUTIAE

Date of Birth : 15-MAR-1995

Passport No : S4918308

Marital Status : Married