

Santhosh, D. M.

S/o Manjunatha Reddy, D. T.

Kelagala Hatty, Chitradurga, 577501

Mobile No.: 8105110223

E-mail: santhosh801dm@gmail.com

CARRIER OBJECTIVE:

To work as a Statistical/Econometric Analyst associated with a progressive organization which can provide me with a dynamic work sphere to extract my inherent skills as a professional, use and develop my aptitude to further the organization's objectives and also attain my career targets in the progress.

COURSES/CERTIFICATIONS: ANALYTICS COURSES

1. Statistics	- IBM (Cognitive Class)
2. Introduction to Data Science	- IBM (Cognitive Class)
3. Python for Data Science	- IBM (Cognitive Class)
4. Data Analysis with Python	- IBM (Cognitive Class)
5. Data Visualization with Python	- IBM (Cognitive Class)
6. Machine Learning with Python	- IBM (Cognitive Class)
7. Deep Learning Fundamentals	- IBM (Cognitive Class)
8. Deep Learning with TensorFlow (pursuing)	- IBM (Cognitive Class)
9. AWS Essentials	- Linux Academy (Udemy)
10. Microsoft Excel	- Udemy
11. R	- IBM (Cognitive Class)
12. Mathematical Optimization for Business Problems	-Big Data University (Cognitive Class)

SKILLS:

Technical: Econometric Modelling, Linear Regression, Logistic Regression, Ridge Regression, ANOVA, K-Means clustering, KNN, Market Basket Analysis, Correlation, ARIMA, Data visualization, generating world map and choropleth maps using folium, Decision trees, Random Forest, Support Vector Machines (SVM), Gradient Boosting, XG Boost, Topic modelling and Sentiment analysis, Recommender system, Deep learning using Neural Networks, Optimization Problems, Linear Programming, integer programming (using cplex and DOcplex in python), Network Models (Transportation, Assignment problems), Critical Path Analysis (scheduling) and basics of Amazon Web Services (AWS).

Coding: Proficient in Python (numpy, pandas, sci-kit, sklearn, matplotlib, seaborn, nltk), R

Programming language: Python

Ms Packages: Ms-excel, Ms-power point, Ms-Word.

ACADEMIC RESEARCH EXPERIENCE:

Conducted a Research on "Economic Analysis Dairy Farming in Rural-Urban Interface of North Bengaluru" during the period of Masters Programme under INDO-GERMAN project. It is collaborative

research project on “Influence of Urbanization on Agriculture in the Rural Urban Interface of Bangalore” funded by DBT, GOI and DFG (German Research Foundation).

This Econometric analysis was conducted using statistical tools to know the impact of urbanization on dairying and Data Envelopment Analysis (DEA) to know the efficiency in dairy farming.

Tools used:

- **Regression analysis – MS Excel**
- **Data Envelopment analysis – DEA software**
- **Chi-square test – SPSS**

Responsibilities:

- Research problem identification.
- Statistical and Econometric models selection.
- Deciding sampling design, data collection and data entry.
- Data preparation and data analysis.
- Generating reports and reviewing relevant studies.
- Drawing inferences / proposing to policy implications.

WORKING EXPERIENCE:

Agricultural Technology Application Research Institute (ATARI), Hebbal, Bengaluru.

Senior Research Fellow (SRF)

Project: Attracting and Retaining Youth in Agriculture (ARYA)

Responsibilities:

- Literature review of the research and survey questionnaire preparation.
- Primary data collection.
- Data entry, data cleaning and generating reports on primary data.
- Statistical analysis to determine the driving factors.

ACADEMICS:

1. M.Sc (Agri.) in Agricultural Economics (90.05 %) from UAS, GKVK, Bengaluru (2016-18)

- **Relevant courses:** Econometrics, Production Economics, Operation Research, Applied Statistics and Applied Mathematics, Project Management, Agri-Business Management.

2. B.Sc in Agricultural Marketing and Cooperation (85.30 %) form UAS, Dharwad (2012-2016)

- **Relevant courses:** Banking and Finance, Computer Science, Finance, Accountancy, Cooperation.

3. Secured All India Rank of 25th in ICAR-JRF and 12th in ICAR-SRF Exam.

4. ICAR NET-2019 qualified.

PERSONAL DETAILS:

Date of Birth: 30th May, 1995

Nationality: Indian

Languages: Kannada, English, Hindi, Telugu.

Marital Status: Unmarried