

# SUMANTHA.NTS

## Entry Level Data Scientist

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### SKILLS :

- **Programming -**  
Python, R, SQL
- **Tools / IDE -**  
Spyder, Jupyter Notebook, Pycharm, MySQL, Tableau
- **Data Science -**  
Machine Learning Algorithms, CNN, RNN, Sci-kit Learn, NLP, Keras, Tensorflow, Big data, Time Series Forecasting
- **Frameworks -**  
Flask, Streamlit, Hadoop

### CERTIFICATIONS :

- **“Data Science Using Machine Learning with Python & R”** from IBM
- **“Data Science Certification”** from Excelr Solutions
- **“Python for Data Science”** from IIT Madras
- **“Introduction to Machine Learning”** from IIT Madras

### EDUCATION :

BE- Electrical & Electronics (2014-2018)  
- 80.93%

HIGHER SECONDARY/10+2 (2012-2014)  
-88%

### SUMMARY

A highly-skilled focused engineer with data science certification. Excellent in using advanced analytical techniques to analyze, mine and infer business insights. I ensure to contribute with my knowledge, logical thinking and analytical skills towards the consistent growth and development of the organization.

### EXPERIENCE

#### ➤ Innodatatics

##### **Data Science Intern (Feb 2021 - Present)**

- Implemented the machine learning project on **Inventory management system** using XG Boost algorithm which gives high r2 score and developed the web API in **Flask** framework and deployed the model in **Heroku** platform.
- Implemented the time series forecasting project to **forecast the particulate matter for next 24hours** using SARIMA which gives less RMSE score and developed the web API in **streamlit** frameworks and deployed the model in **Heroku** platform.

#### ➤ Power Research and Development Pvt. Ltd

##### **Power System Engineer (Aug 2018 - Present)**

- Have experience in power system studies like load flow analysis, short circuit studies, transient stability studies, relay co-ordination and grid islanding studies.

### PROJECTS

#### ➤ Crop Recommendation

- The project objective is to recommend the crops based on soil type, temperature and humidity.
- The dataset is trained with different classification algorithms and **Random Forest** algorithm is selected to build the API as it yield highest accuracy of 99%.
- The predictive model is deployed in **Heroku** and **Google Cloud platforms** using **Streamlit** and **Flask** library.

#### ➤ Predicting new House prices in Bengaluru

- The project objective is to predict the new house prices in Bengaluru based on location, total sqft etc.
- The dataset is trained with different regression algorithms and **XGBoost** algorithm is selected to build the API as it yield highest R2 value.
- The predictive model is deployed in **Heroku** platform using **Streamlit** library.

#### ➤ Spam Classifier

- The project objective is to classify the message into Spam or Not spam.
- Text preprocessing is carried out on dataset and **Naive Bayes** algorithm is used to classify the message into Spam or Not spam.
- Model is deployed in **Heroku** platform using flask library.