

# Jaya Raghavendra Bobbili

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<https://jayaraghavendra.github.io/>

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## DATA SCIENCE PROJECTS

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### PREDICTING THE PRICE OF FLIGHT TRAVEL IN INDIA

- Developed a regression model with 0.84  $r^2$ \_score in predicting the flight price between two destinations. Cleaned the data efficiently without losing essential information. Captured all the possible insights and visualized them for companies to make decisions quickly.

### PREDICTING THE FOOD DELIVERY TIME

- Developed classification model with 80% accuracy rate in predicting the delivery time by using all variables. Got some insights from data from visualization. Transformed categorical variables into numbers to make our models to understand with label encoders. Applied cross validation technique for best accuracy finally applied all models once.

### ANALYZING THE POLLUTION IN INDIA

- Primary focus on exploratory data analysis. Used data imputation techniques to fill the null values, applied data cleaning methods using python, and grabbed the most pollution affected features. Found so many insights from cleaned data and finally made all these insights into a single visualization([link](#)).

### CUSTOMER CHURN PREDICTION IN TELECOM FROM KAGGLE

- Used data imputation techniques to fill the null values, applied data cleaning methods using python. cleaned the dataset, standardized and encoded the data for training the machine learning model. Built a Machine Learning model using Logistic, Random Forest and XGBoost classifiers with 80% accuracy. Documented code into my GitHub repositories.

### ANALYZING UNDERGROUND WATER RESOURCES IN INDIA

- Primary focus on exploratory data analysis. Used data imputation techniques to fill the null values, applied data cleaning methods using python. Made a BAR GIF from the cleaned data.

## COVID19 Projects

### COVID19 Digital Test

- Built a Flask Application with Faux data and made predictions with Logistic Algorithm

### COVID19 Live Tracker

- Built a Flask Application with the help new python covid modules to show live stream data

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## PROFESSIONAL EXPERIENCE

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**Bigdatamatica Solutions Pvt Ltd** , Data Science Intern | Hyderabad | Apr 19 – Aug 19

**Accenture Solutions Pvt Ltd** , GIS Analyst | Hyderabad | Dec 16 – Mar 19

**Wipro Technologies** , Program Engineer | Bangalore | Nov 15 – Mar 16

## CERTIFICATIONS and AWARDS

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- Machine Learning : Simplilearn 2019
- All Python Development suit : Simplilearn 2019
- Data Science with Python : Simplilearn 2019
- Encore Awards : Accenture Q3 2018, Q1 2019
- Top Performer in Quality : Accenture Q3 2017, Q1 2018

## SKILLS AND TOOLS

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- Data Science , Machine Learning
- Data Analysis ,Data Cleaning, Data Visualization
- Predictive Modelling
- Python, Jupyter Notebook, Visual Studio, Google Colab
- Modules: Pandas, Numpy, Matplotlib, Dataasist, ploty, pycaret, Seaborn, Sklearn.,

## AI Community Contributions

- Writing Articles for supervisedlearning.com and dataaspirant.com
- Medium and LinkedIn Articles
- Data storytelling with Gramener Comics and Excel dashboards
- Started YouTube Channel : **Jaya Raghavendra** for Telugu AI Community
- freelancer as a coder and I teach ML.
- Currently working and building on **Blind application** for visually challenges people to recognise surrounded objects using mobile camera with voice.
- Pulasa recognising app(Pulasa is a costliest fish in india which is very tough to recognise normal ppl)