

# Prince Jain

*A data scientist with a passion for turning data into actionable insight.*

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## Summary

- 6+ year's professional experience in Various Industry (including Manufacturing, IT services, R& D)
- 4+ year's professional experience in Data Science and Machine Learning.
- Ability to develop hypothesis, test them with experiments, Statistical analysis, and predictive modeling.
- Experience in Data Science Technologies: Python, Machine Learning algorithms (Supervised and Unsupervised), Deep Learning, EDA, Statistical Analysis, Predictive Modelling and Model Deployment.
- Strong problem solving and data interpretation skills.
- Having good knowledge on Timeseries Analysis and Neural Networks
- Proficient in working with large data set.
- Working with SQL query and CRM databases.

## Professional Experience

1. Michelin India Technology Center

(Assistant Manager (Data Scientist)

Nov 2019 to Till)

2. Accenture technology

(Analyst - Sep 2018 to Nov 2019)

3. Birla Corporation Limited

(Project Engineer – Aug 2014 to Aug 2016)

## Education:-

Degree	Institute	Year	CGPA
M.E. (Mechanical)	BITS Pilani	2016-2018	8.2
B.E. (Mechanical)	CTAE Udaipur	2011-2014	6.67
Senior Secondary	CBSE	2010	78.5%
Secondary	RBSE	2008	80%

## Analytics Skillset

- **Programming languages/Utilities:** Python, R, SQL.
- **Python packages:** numpy, pandas, scipy, statmodels, matplotlib, seaborn, plotly, scikit-learn/sklearn, tensorflow, keras
- **Machine Learning and Deep Learning Algorithms:** Linear Regression, Logistic Regression, Support Vector Machine (SVM), K Nearest Neighbour (KNN), K means clustering, Decision Tree, Random Forest, Principal Component Analysis (PCA), Naive Bayes, ANN, CNN.
- **Visualization tool:** Streamlit, Pyside2, tkinter. Power BI
- **Databases:** MySQL, SQL Server
- **Web Technologies :**
- **IDE:** Jupyter Notebook, PyCharm, Spyder, RStudio.
- **Cloud Technologies :** Azure, Salesforce CRM, Snowflake.
- **AI IDE :** Dataiku
- **Deployment Technologies :-** Gitlab, Flask API, Docker and kubernetes.

## Certification: -

- Deep Learning with Keras from IIT, Bombay.
- Certificate Program in Data Science from IIT Bombay.

## Publication

- P Jain, A K Srivastava, Dr. J S Rathore and Dr. S Shrivastava; An Evaluation of tactile frictional behavior of the wooden material, NFEST(2019).

## Professional Experience

### 1. Michelin India Technology Centre

#### 1.1 Project:- Purchase Price Project

*Technology Used: Time Series,  
Random Forest*

##### **Descriptions:-**

- Extraction and Feature Selection of market and chemical data.
- Build ML model with diff. Tree based Models (i.e. Random forest) with different time lags.
- Used various Time Series approaches to compare with time lag approach.
- Saved Business cost with by forecasting the component price thus giving a tool for negotiation to business

#### 1.2 Project: Connected Tire Project

*Technology Used: Python, Shap, Streamlit,  
Gitlab, XGboost, Neural Network.*

##### **Descriptions:-**

- To gather and merge different type of data relevant to macro parameters and microparameters from different databases
- To build pipeline for mode l(random forest/ Xgboost) and model agonistic values(Ethik/Shap)
- To find regression model that provides descriptive understanding of parameters Driver Behavior, Traject / Traffic, Tire etc
- To provide visualization to customer the effect of rolling resistance and other important parameter on fuel Consumption.

#### 1.3 Project : Tire Defect classification

*Technology Used: Deep Learning, CNN*

- CNN model that classify defected tire image and non-defected ones.
- Collected Tire images of End of Life Fleet Survey.
- Localise the tire defect place by object detection

#### 1.4 Project : Wear Comparison between Combustible and electric vehicle

*Technology Used: Python, Shap, Clustering  
Packages.*

##### **Descriptions:-**

- To gather and merge different type of data relevant to macro parameters and microparameters from different databases

To analyze ,clean and observe statistical insights from the data

- To build pipeline for mode l(random forest/ Xgboost) and model agonistic values(Ethik/Shap)

.To provide visualization to customer the effectof rolling resistance and other important parameter on fuel Consumption

### 2. Accenture Solution

#### 2.1 Project: Quote to contract Conversion Modelling

*Technology Used: Random  
Forest, Feature Importance.*

##### **Descriptions:-**

Application of MYSQL to draw data from cloud Database.

- Predicting the probability of Converting Quote at different level based on the Asset of Account.
- Creating Different Dashboard for Guiding the Salesman for Quote Creation.

#### 2.2 Project: Vlocity project

Client: Centurylink

Technology Used: Salesforce CPQ

##### **Descriptions:-**

- Customizing the applications on Sales force platform and Force.com.
- Hands on experience on developing Triggers, Apex Classes and VF Pages.
- Workflows Implementation with Objects, Custom Apps, Layouts, Tabs, Validation Rules and Sharing rules
- Appling Salesforce CPQ on Intel Business process

### 3. Birla Corporation Limited

Client: Inhouse

Technology Used: Preventive and Predictive Maintenance

##### **Descriptions: -**

- Preventive and Predictive of Plant Machinery.
- Planning for shutdown Maintenance.
- Preparation of Plant checkup schedule.