

# RANVIR SING SISODIYA

Jalgaon, Maharashtra

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## Education

### Master of Science in Statistics

KBC North Maharashtra University

Sep. 2020 – May 2022

Jalgaon, Maharashtra

### Bachelor of Science in Actuarial Science

KBC North Maharashtra University

Sep. 2017 – April 2020

Jalgaon, Maharashtra

## Internship

### Machine Learning Intern

Grroom

Oct 2021 – January 2022

- Responsible for web scraping to collect data, machine learning model training and model testing tasks.
- Incorporated scripts using Python and SQL to scrap raw data from websites, data cleaning and to store into database.
- Utilized Google colab, Jupyter notebook and software like LableImg and Geo encoder to complete the assignments based on image annotation and data collection.
- Managed to provide unique solutions and explored ways to send a daily report of task results to team members.

### Data Science and Business Analytics Intern

The Sparks Foundation

June 2020 – July 2020

- Written code in Python and R to collect, crunch and analyze data from various internal and external sources.
- Built and tuned ML models like Logistic Regression, SVM, Decision Tree, K-Means etc. using Python (scikit-learn).
- Created linkages between data and business intelligence software to enable predictive modeling and trend analysis.
- Utilized R studio, Jupyter notebook, Power-BI, MS-Excel etc. tools to complete the tasks.

## Projects

### Car Price Prediction Model | Python, flask, Heroku

November 2021

- Developed a machine learning model which predicts the selling price of car based on features like mileage, transmission, engine, maximum power, kilometer driven etc.
- Dealt with missing values, unstructured data, outlier detection and removal using **Interquartile range** and **boxplot**.
- Used techniques like **Extra Tree Classifier**, **Chi-Square Test** for feature selection, checked **multicollinearity** using **VIF** and addressed it using **PCA**
- Fitted Decision Tree model on training dataset and tune it using hyperparameter tuning and got accuracy of 93%.
- Developed an API using python flask module and deployed the application on Heroku cloud platform.

## Technical Skills

**Languages:** Python, R programming, SQL

**Developer Tools:** MySQL, Power-BI, MS-Excel, Github

**Libraries/Frameworks:** pandas, numpy, scikit-learn, matplotlib, tensorflow, Flask

## Relevant Courses Studied

- |                       |                         |                      |                           |
|-----------------------|-------------------------|----------------------|---------------------------|
| • Regression Analysis | • Probability Theory    | • DOE                | • Actuarial Statistics    |
| • Linear Algebra      | • Multivariate Analysis | • Stochastic Process | • Survival Analysis       |
| • Sampling Theory     | • Inference             | • Time Series        | • Optimisation Techniques |

## Certifications

- |                           |   |                                     |
|---------------------------|---|-------------------------------------|
| • Python for Data Science | • Introduction to Natural Language Processing | • Introduction to Data Analytics    |
| • Machine Learning        |   | • Data visualization using Power BI |

## Achievements

- 125<sup>th</sup> rank in Job a thon by Analytics Vidhya
- Three stars in Python on Hacker Rank
- Two stars in SQL on Hacker Rank
- IITJAM – 2021 qualified with AIR – 699 (Mathematical Statistics)
- Won 2<sup>nd</sup> prize in poster presentation competition under theme of ‘Role of Statistics in National Development’