



# RUSHIKESH YADAV

DATA SCIENTIST



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Portfolio Website



Pune, Maharashtra-411044

## EDUCATION

### Bachelor of Technology

SKN Sinhgad College of Engineering

2019 - 2022

79.48 %

### Diploma

Shivaji Polytechnic, Atpadi

2016 - 2019

66.41 %

### SSC

Dighanchi High-School, Dighanchi

2015 - 2016

76 %

## TECHNICAL SKILLS

- Python
- MySQL
- SQL Server
- Machine Learning
- Statistics
- Tableau
- Power BI
- Numpy
- Pandas
- Scikit-Learn
- Matplotlib
- OOPs
- DSA
- HTML
- CSS

## SOFT SKILLS

- Communication Skills
- Teamwork
- Critical thinking
- Problem Solving Skills
- Adaptability

## OBJECTIVE

- An aspiring Data scientist with 2 months internship experience at Pantech Prolabs India Pvt Ltd.
- Enthusiastic about data science and machine learning, seeking opportunities to apply my skills and knowledge in a professional setting to contribute to the field, further develop my expertise, and drive meaningful insights from data

## Project Works

### Data Science Project: Flight Price Prediction

#### Project Overview:

- Developed a machine learning model to predict flight prices using Python and popular libraries such as Pandas, Matplotlib, Seaborn, and Scikit-Learn.
- Conducted exploratory data analysis (EDA) to understand the dataset and visualize the relationship between different features and flight prices.

#### Data Cleaning and Preprocessing:

- Performed data inspection and identified missing values.
- Cleaned the dataset by handling missing values, converting data types, and encoding categorical variables.
- Extracted meaningful features from the "Date\_of\_Journey" column and converted time-related columns for analysis.

#### Data Visualization:

- Utilized Matplotlib, Seaborn, and Plotly libraries to create insightful visualizations.
- Plotted bar graphs to showcase the relationship between different airlines and their corresponding ticket prices.
- Visualized the maximum flight prices for each airline using various Python data visualization techniques.

#### Machine Learning Models:

- Implemented three machine learning algorithms: K-Nearest Neighbors, Decision Tree, and Random Forest.
- Split the dataset into training and testing sets and evaluated the model performance using metrics like R-squared, Mean Absolute Error, and Mean Squared Error.

#### Hyperparameter Tuning:

- Applied RandomizedSearchCV for hyperparameter tuning on the Random Forest model to optimize its performance.

#### Skills Demonstrate

- Data cleaning and preprocessing techniques.
- Exploratory Data Analysis (EDA) using Python data visualization libraries.
- Implementation and evaluation of machine learning algorithms.
- Hyperparameter tuning for model optimization.
- Effective communication of complex technical concepts.

## Course Works

### FULL STACK DATA SCIENCE -

- Comprehensive training in Python programming, including data manipulation and scripting.
- Familiarity with data visualization tools like Tableau and Power BI to translate complex data into actionable insights.
- Practical experience with database management using Python and MySQL.
- In-depth exploration of Data Science techniques, including implementation of machine learning algorithms such as supervised and un-supervised using libraries like Pandas, Matplotlib, and Scikit-Learn

### Google Advanced Data Analytics Professional Certificate - Pursuing

- Enrolled in Google's Advanced Data Analytics Professional Certificate, a 7-course series
- Applying over 200 hours to gain proficiency in Jupyter Notebook, Python, and Tableau
- Developing expertise in data analysis, statistical modeling, machine learning,