

Sanya Dikshit

Senior Project Engineer (Aspiring Data Scientist)

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≡ Career Summary

Motivated professional with a total experience of 3.1 years . Experienced at interpreting and analyzing data to drive solutions , furnish insights and business intelligence needed to guide decisions for a business problem . Passionate about building models that fix problems. Relevant skills include machine learning, problem solving, programming, and creative thinking.

🔧 Skills

- **Statistical Analysis** - Exploratory Data Analysis ,Inferential Statistics , Hypothesis Testing, Z-Test, T-Test , ANOVA
- **Machine Learning** - Decision Tree, Random Forest, Linear Regression, Logistic Regression, K-means clustering, K Nearest Neighbour , SVM
- **Language** - Python , Core Java
- **Visualization** - Matplotlib, Seaborn , Powerbi , Excel , Powerpoint
- **Framework** - Pandas, Numpy, Scikit learn
- **Database** - MYSQL
- **Web Development** - HTML , CSS , Javascript (basic)
- **Tools** - Jira , Github , Excel , Jupyter Notebook , Google collab

👜 Work Experience

Wipro Technologies (July 2018 - Present)

Projects

1. Credit Risk Analysis

Goal - Assessing credit risk for a banking and finance service provider . Develop a decision framework using classification techniques to identify the customers who are likely to default .

Responsibilities -

- Perform EDA to analyze & summarize the main characteristics of the data .
- Identifying patterns and trends in data using univariate and bivariate analysis and reporting data findings.
- Cleaning the raw data by performing missing value analysis , outlier analysis , identify correlations , zero variance features .

Tools - Python , Feature Engineering , EDA , Scikit Learn , Classification Algorithms

2. Telemarketing Campaign

Goal - Predicting the success of the telemarketing campaign for a bank to identify potential customers who would be willing to opt for the term deposit and expand the term deposit portfolio.

Responsibilities -

- Perform preprocessing of structured and unstructured data.
- Transform the data into information by performing EDA and feature engineering.
- Present information using data visualization techniques .
- Built a predictive model using classification algorithms to increase the hit ratio.

Tools - Python , Feature Engineering , EDA , Scikit Learn , Classification Algorithms

Personal Project




1. **Clustering of Product Parameters**- Identify the buyers' purchasing behavior and divide them on the basis of the products they have previously bought from the store.

2. **Hotel Booking Prediction** - Leverage Guest Data and Booking Behavior Patterns to devise a strategy for Hotel Revenue Management using Classification algorithms and EDA.

3. **Telecom** - Develop a predictive framework for enabling a proactive retention strategy for a telecom company using classification algorithms.

4. **HR Attrition** - Analyzed employee behavior data to predict attrition propensity and enable HR to design and take targeted retention actions for the organization using classification algorithms.

Education

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|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------|
|  | New Horizon College of Engineering , Bangalore B.TECH (Computer Science) 85 % VTU University | 2014-2018 |
|  | DPS Dhanbad 12th Science 94% C.B.S.E | 2012-2014 |
|  | Carmel School , Dhanbad 10th 94% I.C.S.E | 2012 |

Certifications

- Python (HackerRank)
- MYSQL (HackerRank)

Languages

- English
- Hindi