Abhishek Mishra

Entry-level Data Scientist | +91 7688928181
https://www.linkedin.com/in/abhishek-mishra-b4a20914b | https://github.com/Abhishek768

SUMMARY

An entry-level data scientist who takes pride in building models that translate data points into business insights. Used my skills to participate in various projects, hackathons and challenges, now eager to apply the same knowledge to real-world business problems.

SKILLS

Machine Learning: Classification, Regression, Clustering, Decisoin Trees, Ensemble, LDA, KNN, Naive Bayes, Bagging, Time Series Forecasting and Boosting

Statistical Methods: Predictive Analysis, Hypothesis Testing, Principal Component Analysis and Dimensionality Reduction, Market Basket Analysis, ANOVA, MS Excel

Programming Languages: Python, Numpy, Pandas, Matplot, seaborn and scipy

Database Language: SQL, MySQL

Sentiment Analysis: NLP, NLTK

PROJECTS

Bank Customer Segmentation Model

- **Objective:-** To identify the segments based on credit card usage.
- **Outcome:-** The model implementation helped bank to distinguish customers based on credit card usage.
- **Technique:-** Hierarchical clustering, K-Means clustering, Silhouette score

Insurance Claim Prediction Model

- **Objective:-** To identify claim status and provide recommendations to management.
- **Outcome:-** The model implementation helped Insurance firm to predict claim status for the customers so that fraud claims can be reduced.
- **Technique:-** MLP(ANN), Decision Tree, Random Forest
- **EDA:-** Higher claim frequency is from people who are travel to 'Asia' continent (destination).
- **Improved Model:-** Applied Random Forest as it performs well with improved 78% accuracy than Decision Tree(77%) and MLP(75%).

Gem Price Prediction Model

- **Objective:-** To identify the price for the gem stone on the bases of details given in the dataset containing 27000 observations.
- **Outcome:-** The model implementation helped company to distinguish between higher profitable stone and lower profitable gem stones so as to have a better profit.
- **Technique:-** Linear Regression, Principal Component Analysis, EDA
- **EDA:-** Gem stone with ideal cut has average pricing and available in every color which makes it more profitable for company.

Holiday Package Prediction Model

- **Objective:-** To identify whether an employee will opt for the holiday package or not on the basis of the information given in the data set.
- **Outcome:-** The model implementation helped company to find whether the employee will opt for holiday package or not which will help travel agency to earn more profit by selling holiday packages.
- **Technique:-** Logistic Regression, Linear Discriminant Analysis, EDA
- **EDA:-** Employee whose average salary are less opt for holiday packages whereas employee whose average salary are high not opt for holiday packages.
- **Improved Model:-** Applied Logistic Regression model for the dataset as it is improved with 70.1% accuracy than LDA with 68% accuracy.

CERTIFICATIONS or AWARDS

- Smart India Hackathon 2018
- Greenathon 2018
- TestDome Python Certification
- TestDome Data Scientist Certification
- Certified Data Scientist, Udemy
- Introduction to Data Science, LinkedIn
- Data Scienec Internship Certificate, SeekAce Softwares
- HackerRank Certificate for Python
- Mlops Associate, MLCertific.com

EDUCATION

Great Lakes Institute of Management – *Post Graduate Programme for Data Science and Business Analytics (PGPDSBA)*

Global Institute of Technology – *B.Tech in Computer Science and Engineering (2019)*