

SHREYA DATTA

DATA SCIENTIST

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Location: Kolkata, 700120

PROFILE SUMMARY

Trained and Certified Data Scientist, passionate about **leveraging data driven approaches to solve real-world challenges**. Proficient in **Python, data manipulation and data visualizations**, thereby, seeking opportunities to apply my analytical skills and contribute to informed decision-making. Eager to learn, collaborate and drive data-driven solutions.

SKILLS

- Python
- SQL
- Machine Learning
- Excel
- PowerBI
- Tableau
- Data Cleaning
- Dashboard Creation
- Data Analytics
- Data Modelling
- Statistics
- Problem Solving
- Communication
- Data Storytelling

PERSONAL PROJECTS

PREDICTING THE DIABETES IN PATIENTS LEVERAGING MACHINE LEARNING:

- ✓ Leveraging the machine learning algorithms, I constructed the predictive models to enhance the diagnosis of diabetes.
- ✓ Utilizing Python and PowerBI, I have gained insights about the key features.
- ✓ Honed my ability to give data-driven solutions, with the recall of 0.60.

EXPLORATORY DATA ANALYSIS:

- ✓ Diving into Exploratory Data Analysis, I have engaged with three distinct datasets; Titanic Dataset, IMDB Top 250 Movies Dataset and Spotify Top 50 Songs Dataset.
- ✓ Retrieving patterns, trends and relationships within datasets, I honed my ability to unveil the hidden insights from the raw dataset.

ENSEMBLE LEARNING FOR USA HOUSING PRICE PREDICTION:

- ✓ Employed the techniques like linear regression, random forest and gradient boosting, I adeptly navigated the challenges of predicting complex real estate market trends.
- ✓ Fetched the best fitted model, Linear Regression, with the RMSE and R-2 SCORE of 102278 and 0.917 respectively.

POWER BI DASHBOARD FOR GLOBAL SUPERSTORE 2016:

- ✓ Utilizing the proficiency of data visualizations and dashboard creation, I have extracted interactive insights from the dataset.
- ✓ Reinforced my understanding of effective decision making.

PREDICTING MEDICAL INSURANCE CHARGES THROUGH LINEAR REGRESSION:

- ✓ Tackled a linear regression problem which aims at predicting medical insurance costs or charges, unveiling the key features influencing it.
- ✓ Fetched the RMSE of 5812 and R-2 SCORE of 0.76.

ENSEMBLE LEARNING FOR CUSTOMER CHURN PREDICTION:

- ✓ Created an ensemble model, combining various predictive algorithms, enabling businesses to proactively address valuable customers.
- ✓ Successfully constructed predictive model with the recall of approximately 1.00.

EDUCATION

- Earned a Bachelor's degree in Pharmacy from Makaut University, Kolkata (2023)
- Completed the High School Diploma under Central Board of Secondary Education (2019)

CERTIFICATION AND AWARDS

- ✓ **Certificate Course on Data Science and Business Analytics — Certified by Boston Institute of Analytics**
- ✓ **Introduction To Database and SQL — Certified by Great Learning Academy**
- ✓ **Excel Certification — Certified by W3Schools**
- ✓ **Structured Query Language (Foundation) — Certified by Study Section E—Certification Center**
- ✓ **R Programming (Foundation) — Certified by Study Section E—Certification Center**