

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 the 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
- Data Analytics and Visualization Virtual Experience under Accenture ---- Certified by Forage
- Data Visualisation: Empowering Business with Effective Insights under TATA Group ---Certified by Forage.
- Data Analytics Consulting Virtual Internship under KPMG --- Certified by Forage.