SHREYA DATTA

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Portfolio | LinkedIn

Summary

Excited to be a part of data-driven organization, passionate about leveraging data driven approaches to solve real-world challenges. Proficient in Python, data manipulation and data visualizations, thereby, seeking opportunity for a Data Science internship where I can learn how to turn data into actionable insights, contributing to the company's growth and success.

Personal Projects

Customer Churn Prediction – Python, Machine Learning

- Employed a diverse set of base models such **as Logistic Regression, Random Forest Classifier and Gradient Boosting** to capture various aspects of customer behaviour and characteristics.
- Applied ensemble techniques like **Bagging and Boosting** to combine the strengths of individual models and improve predictive performance.
- Utilized preprocessing techniques like Label Encoding, Splitting the data, Scaling features and Controlling split randomness, thereby successfully constructed the **best predictive model, Gradient Boosting, with the highest recall of approximately 1.00.**
- Leveraging a **Gradient Boosting model**, empowers the company to take proactive measures to retain valuable customers, thereby providing a **solid foundation regarding customer retention strategies, preserve revenue, hence, positions the company as customer-centric leader in its industry.**

Capstone Project on Diabetes Prediction – Machine Learning, Python, PowerBI, Power Point Presentation

- Leveraging the machine learning algorithms like **Logistic Regression, Support Vector Machine, Decision Tree and Random Forest**, I have constructed the predictive models to enhance the diagnosis of Diabetes.
- Utilizing Python and PowerBI, I have gained the insights about the key features influencing the disease of Diabetes.
- Hence, honed my ability to give data-driven solutions, **with the best performing model, Random Forest, with the highest recall of 0.60.**
- Incorporating **the Random Forest model, into the company's healthcare offerings not only improves patient care but also demonstrates a commitment to leveraging** advanced technology for better health outcomes, ultimately, **driving business growth and success in the healthcare sector.**

Dashboard For Global Superstore 2016 – PowerBI

- Utilizing the proficiency of data visualizations and dashboard creation, I have extracted interactive insights from the dataset along with the smart narrative of the **total sales for countries, key influencers.**
- Retrieving patterns, trends within the dataset, **I have honed my ability to unveil the hidden insights from the raw dataset. Hence, reinforced my understanding of effective decision making**.
- **The dashboard improves efficacy, increased profitability, and leads to better understanding of customer needs, ultimately contributing to the business's success and growth.**

Real Time Space Mission – PowerBI

- **PowerBI is employed as the primary data visualization** and analysis tool in order to provide with the dynamic and interactive dashboard for real time space mission.
- This dashboard allows the **mission control and scientists to monitor the mission's progress** and make informed decisions.
- Hence, **the dashboard enables the mission team to respond promptly to any unexpected discoveries and anomalies**.

Skills

SQL, Python, Microsoft Power BI, Microsoft Excel, Statistics, Machine Learning, Microsoft PowerPoint, Data Analysis, Data Visualization, Data Modelling, Tableau, Communication.

Certification

- Data Science and Business Analytics — Boston Institute of Analytics
- Data Analytics and Visualization Virtual Experience on Forage — Accenture
- Data Analytics Consulting Virtual Internship on Forage — KPMG

Education

Bachelor of Pharmacy **2019-2023**
West Bengal University of Technology (Makaut University), Kolkata – 8.57 CGPA (Aggregate)

High School Diploma **2017-2019**
Central Board of Secondary Education – 85.32 % (Aggregate)