Shreya Datta
Pursuing MSc. Data Science

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[Portfolio](#) | **[LinkedIn](#)**

Summary

I am pursuing an MSc in Data Science with a strong passion for using data to drive insights and innovation. With two valuable internship experiences, I am enthusiastic about expanding my skills and making impactful contributions to the dynamic field of data science.

Personal Projects

Customer Churn Prediction – Python, Machine Learning
- Employed a diverse set of base models such **as Logistic Regression, Random Forest Classifier and GradientBoosting** to capture various aspects of customer behaviour and characteristics.
- Applied ensemble techniques like **Bagging and Boosting** to combine the strengths of individual models and improvepredictive 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 recallof approximately 100%.**

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 andRandom 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 thehighest recall of 60%.**

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, Machine Learning, Statistics, Deep Learning, Microsoft PowerPoint, Data Analysis, Data Visualization, Google Docs, MongoDB

Internship Experience

Gopalan Enterprises India Pvt Ltd (Rugas Technologies Pvt Ltd)   Oct 2023 – Nov 2023

Data Analytics and Machine Learning Intern
- Completed dynamic internship at Rugas, delivering impactful projects in data analytics and machine learning, showcasing strong problem-solving skills and innovative solutions.
- Led machine learning initiative optimizing nurse shift allocation, achieving 95% accuracy with a Random Forest Classifier, using MongoDB Atlas for data extraction and advanced techniques like PCA for feature selection.

MedTourEasy Pvt Ltd   Oct 2023 – Oct 2023

Data Analytics Trainee
- Led an innovative online internship at Med Tour Easy Pvt Ltd, investigating lifespan disparities between right-handers and left-handers. Utilized Python with pandas, matplotlib, and seaborn for robust data analysis and visualization.
- Delivered project milestones on schedule, earning a certificate of accomplishment and commendation for insightful contributions to demographic research on handedness and mortality trends.

Certifications

- Data Science and Business Analytics – Boston Institute of Analytics
- Google Data Analytics Certification – Coursera
- Advanced Google Data Analytics Certification – Coursera

Education

Master of Science Data Science   2023-2025
Kalasalingam Academy of Research and Education (Kalasalingam University), Chennai

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

High School Diploma   2017-2019
Kalyani Public School, Kolkata (Central Board of Secondary Education) – 85.32 % (Aggregate)