

Sayan Sinha

Master's in Statistics with interest in Analytics



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in [LinkedIn-Sayan-Sinha-Statistics](#)

🌐 Indian

📍 Village + P.O - Gadadharpur, Suri
District - Birbhum, 731129, West Bengal

To work in an organization with dedicated and committed people, where I can improve my skills and abilities in an environment that constantly challenges me to perform better and contribute the best of my abilities to the organization in the most effective way. Can handle responsibility individually and work well in a team too.



Academic Qualifications

- | | |
|-------------|--|
| 2015 - 2020 | University of Kalyani |
| | <input type="checkbox"/> 5 years Integrated M.Sc. in Statistics |
| | <input type="checkbox"/> Recently I have completed it with 8.50 SGPA. |
| 2015 | Purandarpur High School |
| | <input type="checkbox"/> Higher Secondary Education (WBCHSE) |
| | <input type="checkbox"/> Marks Obtained: 81% Grade: A+ |
| 2013 | Purandarpur High School |
| | <input type="checkbox"/> Secondary Education (WBSE) |
| | <input type="checkbox"/> Marks Obtained: 80.71% Grade: A+ |



Technical Skills

- **Programming:** R, Python, SAS, C Programming, SQL
- **Tools:** ggplot2, plotly, dplyr, tidyverse, R Markdown, Pandas, NumPy
- **Analytics Tools:** Tableau, Visual Basic Analysis (VBA)
- **Software:** R Studio, Jupyter Notebook, Spyder, Google Colab Advanced MS Excel, MS Word

Project Work

Predicting an Internet user clicked on an Advertisement or Not October-December 2019

- Used historical data from a company and **SQL, Python, R, RStudio** for Data Merging, Data Cleaning, Data Visualization, Data Analysis.
- Implemented different algorithms like **Logistic Regression, Decision Tree, Random Forest, Naïve Bayes** to predict that an internet user clicked on an advertisement or not and achieved **Area Under Curve (AUC) of 0.993** with Logistic Regression.

Predicting the price of Used Car: <https://docs.google.com/document/sayan/car-price> April-May 2020

- Used data from Kaggle to predict the price of used car.
- Used **MS Excel, R, R Studio** for Data Cleaning, Feature Engineering, Feature Selection and Data Analysis
- Implemented different algorithms like **Linear Regression** and **Random Forest** to predict the car price of different models and achieved the R^2 score of **0.8804** with Linear Regression.
- Used **R Markdown** to write the full report of this project.

Areas of interest

- Testing of Hypothesis
- Different Machine Learning algorithm such as Decision Tree, Random Forest, Naïve Bayes, Clustering (K-Means, Fuzzy C-Means, Agglomerative, Divisive).

- Dimensionality Reduction Algorithms such as Principal Component Analysis (PCA) & Factor Analysis (FA).



Certificates

August 2019: 21 Days Summer Training Course on Bioinformatics at University of Kalyani
 April - May 2020: Career Edge - Knockdown the Lockdown online course offered by TCS iON



Languages

English(r/w/s)

Bengali (native) (r/w/s)

Hindi(r/s)



Achievements

- Swami Vivekananda Scholarship (SVMCM 2.0)

Strength

- Sincere and Hard-Working Nature
- Ability to explain statistical theories in easily understandable language and/or examples



Hobbies

- Playing Tabla (Complete 2 levels)
- Drawing



Additional Activities

- **Auditor** for 1 year at University of Kalyani hostel (Meghnad Saha Bhawan PG HALL-3) with boarder capacity around 80 with monthly expenditure nearly **1.5 lakhs**. Here I handle monthly expenditure & annual festivals expenditure of my hostel with other 3 auditor and report to the hostel steward sir. From here I learn **management** and **teamwork** which I think will help me in future. July 2017 - August 2018
- Worked with a student of Physical Education Department in a final year project at University of Kalyani, with **Statistical computation**, that try to find out that is there any relation between the fitness level of Batsmen and Bowler, with their personality respectively. March 2019
- Worked with a Scholar of North Bengal University who try to find out is there any effect of Body Mass Index (BMI) between the Champion Team and Runner-up Team in a Kabaddi Tournament, and in other project we worked on is there any improvement in the fitness level (measure on different factor) after yoga training to 15 randomly selected students. October 2019

Declaration

“I hereby declare that all the above mention information given by me is true and correct to the best of my knowledge.”

Date- 25/10/2020

Sayan Sinha