ABHISHEK KUMAR AGRAHARI

MSc Statistics and Computing

Department of Science and Technology, BHU

abhishekagrahari315@gmail.com

9616412993

http://www.linkedin.com/in/abhishekagrahari

SUMMARY

Motivated by practical applications of skills for betterment of the organization and self. Always tries to push myself to change with time and technology. Interested in working with **data problem-solving,** applying statistical tools and **machine learning algorithm** to real world problems. Skilled in **Python, SAS, SQL, Credit Risk Model Development and Validation, Tableau, Snowflake, Pyspark, EDA.**

EDUCATION

Name of course	Passing Year	Name of institute	%/CGPA
M.Sc. in Statistics & Computing	2022	Banaras Hindu University	9.09
B.Sc. (Hons) in Statistics	2020	Banaras Hindu University	7.47
UP STATE BOARD (Class XII)	2017	Sankat Mochan School	79.4 %
ICSE (Class X)	2015	ST. Thomas School	75.6 %

EXPERIENCE

Coforge | Data Engineer   **Aug 2022 to Ongoing**
- Development of credit risk models to ensure compliance with regulatory requirements like **IFRS 9**, **CCAR**, **Stress Testing** and internal standards, enhancing the accuracy and reliability of risk assessments, utilizing advanced statistical methods and tools such as Python, SAS, SQL, and Excel.
- Conducted detailed analysis and development of **Scorecard**, **PD Model**, ensuring they accurately reflected the creditworthiness of clients.
- Resulted in improved model accuracy and compliance, enhancing the organization's risk management capabilities.

The Modern Data Company | Data Analyst-Intern   **June 2022 to Aug 2022**
- Embarked on a journey of data exploration and analysis, honing skills in data processing, transformation, and visualization.
- Played a pivotal role in optimizing SQL queries, enabling efficient handling of JSON files, and facilitating comprehensive data analysis.
- Extracted valuable insights and presenting findings through compelling visualizations, contributing to data-driven decision-making processes.

PROJECTS

Fifth Third Bank *(Coforge)*   **Aug 2022 to Ongoing**
- Working with the Credit Risk team, where I applied advanced statistical techniques and leveraged tools such as Python, SAS, Model Validation, SQL, Tableau, and Excel to extract actionable insights from large datasets, significantly enhancing strategic decision-making and risk mitigation strategies.
- Prepared validation reports and presentations for regulatory bodies, effectively communicating complex model validation results.
- Initially migrated data to Snowflake, which improved data accessibility and enabled more efficient credit risk analysis, enhancing client satisfaction.

Forecasting for Supplement Store Sales (Self project)   **Jan 2022 to Mar 2022**
- For categorical variables *Store_Type, Location_Type, Region_Code* extracted one hot encoded features.
- Analysed correlation for all the features with the Sales, then Remove the Outliers of dependent variable *Sales.*
- Fitted Linear Regression model followed by improving multicollinearity than implemented Ridge and Lasso.

Bangalore House Price Prediction *(Dr. Jyoti Kirar)*   **April 2021 to June 2021**
- Dealt with **missing observation** and **visualization** using different python libraries to prepared our dataset for further analysis.
- Randomly splitting the dataset into training and testing set to check the model performance at the end of implementations.
- Developed model based on the application of regression analysis and predicted the price of house.

SKILLS

- **Tools & Technologies** - SAS | Python | SQL | Model Validation | MS Excel | Pyspark | Snowflake | Tableau | Exploratory Data Analysis | DataStage
- **Core Courses** -   Statistical Inference | Hypothesis Testing | Regression Analysis | Logistics Regression
- **Language Skills** -   English: Advanced | Hindi: Superior

OTHER EXPERIENCES

ONLINE COURSES	• *Credit Risk Modelling in Python, Udemy:* Enhanced End to End Model Building of PD,LGD,EAD and Excepted Loss	**Jul 2024**
	• *Python for Everybody, Coursera*: Got to know many statements, expressions, functions of python.	**Feb 2023**
	• *Machine Learning with Python, Coursera*: Learned algorithms of supervised machine learning.	**Sep 2022**
	• *Essentials of Data Science with R Software - 1*: Probability and Statistical Inference *(prof. Shalabh)*	**Aug 2021**
	• *Essentials of Data Science With R Software - 2*: Sampling Theory and Linear Regression Analysis *(prof. Shalabh)*	**Aug 2021**

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Basics and Advanced SQL certificate received through *HackerRank*
- Participated in Analytics Vidhya HACKATHON and Secured 67 rank among 2000 participants.
- Subject Matter Expert in Statistics at Chegg Inc. which give me a flavor of LearningwithEarning.
- Yoga Practices, Participated for Marathon as well as for Cycling race many during university time and beyond.

HOBBIES

- Cricket | Gymming | Cycling