Subham Das

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LinkedIn Profile

Professional Summary

- Process oriented Data Scientist and Data Analyst with more than 5.5 years of experience in machine learning, analytics, consulting, demand planning, automation, preparing dashboards, churn prediction and forecasting for HSBC Asset Management, US based pharmaceutical company and telecom client.

Tools and Technologies

- SQL: Hive, Presto, Impala, Teradata, Big Query
- Python Programming
- Excel
- Tableau
- GCP
- Project Planning and Communication

Work History and Key Projects

HSBC Electronic Data Processing   (Bangalore) Aug'21 – Present

Asset Management - Lead Data Scientist

1. **Transactions Forecasting**
   - Created a forecasting model to get the estimates of inflows and outflows of transactions.
   - Clustered the data into groups based on Region, Transition Type to get estimates at the group level.
   - Used statistical models like ARIMA, Prophet to forecast the transactions and created Tableau dashboard to present the result and built a Streamlit App to convert it into a tool.

2. **Text Anomaly Detection**
   - Created analytical models for detection of anomaly in the text data in Factsheets where anomaly could be language issue, missing text or overlapped text or missing tables.
   - **Solution:**
     - ➤ An analytical model to identify the text language in pdf files and validate with the actual files' language.
     - ➤ A comparison algorithm for image vs text to identify overlapped texts in documents.

3. **End user computing Dashboard**
   - Created a DQ dashboard to identify issues in the existing EUC data.
   - Identified the description languages and highlighted the non-English commentaries for correction.

Absolutdata Analytics – Consultant   (Gurgaon) Oct'18 – July'21

ZS Associates - Pharmaceutical - Patient Services Program

4. **Care Model Development for new brand**
   - Identified the key drivers and barriers of adherence and developed a care model plan to boost the drivers and mitigate the barriers.
   - Categorized the patients into various segments to target the patients who are not persistent to the drug.

CRM - Telecom Workstream

5. **Customer Churn Prediction:**
   - Developed a churn prediction model for a Telecom Company to enable Customer Retention.
   - Analyzed the month-on-month data/call usage trends of the users to decide the thresh-hold to define churn point.
   - Random Forest Model was built to predict if a customer will leave the network in the upcoming month.

Education   **IIT**

Kanpur   Kanpur

B.Tech. Mechanical Engineering |GPA:6.5   Jun'14 - May'18

HONORS & AWARDS

Star Spot Award

Recognized and rewarded consecutively in two semesters for creating an impact in terms of delivery and agility of the projects in the Client Site.   Jan'20 and Aug'20

Recognized for two projects in ZS Associates for creating an impact in terms of Capability Development in the Patient Services domain which was one of its kind and well appreciated by Clients.   July'20 and Mar'21

Recognized several times by the stakeholders in HSBC for being a quick learner and taking ownership of work within a quick period and developing good quality results.