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Sajahan Biswas
DATA ANALYST

SUMMARY

Data Analyst with 3+ years of experience in Analytics and reporting. Skilled in adapting quickly to dynamic business environments and adopting data-oriented pragmatic approach in resolving complex business issues and presenting large dataset to improve spend efficiency across, Research, organization collaboration with across functional terms and delivering project on time. Keen analyst of data cleaning, transformation, visualization, analysis interpretation of machine learning algorithms with Supervised Learning and Cluster Analysis.

KEY SKILLS

Data Source, Complex Data Sets, Collect Data, Big Data Tools, Data Science, KPIs, Identify Patterns, Data Sources, Data Mining, ETL Tools, complex SQL queries, Product Insights, Integrate Data, Identify Trends, Scalable Data Pipelines, Accurate Data Availability, Hidden Patterns, Reporting Tool, Present findings, Hypothesis Testing, Data Analysis Tools, Relevant Metrics, Existing Data Pipelines, Product Analytics, Hadoop ecosystem, Sales teams, KPIs, Statistical Models, Data Engineering, Computer Science, Information Technology, Statistics, Economics, Mathematics

TECHNICAL SKILLS

Python (Pandas, Numpy, Scikit-learn) Python coding
Java programming languages (Core Java)
Database Programming (MySQL / Microsoft SQL Server / PostgreSQL)
Hadoop (Big Data, HDFS, YARN, MapReduce, PySpark, Scala, Hive, Spark-Sql, Spark)
EDA (Extract, Clean, Transform, Analyze and Load)
Microsoft Excel (VBA, Macros, Filter, Shorting, Pivot Table, Building Dashboards, Vlookup, Pivot tables) MS Office, MS PowerPoint.
Data Visualization Tools : MS PowerBI (Power Query, Power Pivot, Power Apps, DAX queries), Tableau, Looker
Informative Data Visualizations (Matplotlib, Seaborn and PyTorch) Advance Analytics

PROFESSIONAL EXPERIENCE

DATA ANALYST   Mar '23 - May '24
TransUnion CIBIL   Mumbai

Managed Data Quality and integrity through effective use of SQL and analytics skills.

- Understand the core process of data reporting by CIC(Credit Information Company) or Credit Bureau.
- Developed mechanism to analyze daily data flow into repository using Python / PySpark based framework.
- Efficiently utilized Python / Spark / PySpark / SQL to analyze key business metrics in consumer lending, deriving insights on **consumer behavior patterns** to prepare impactful stories related to Quality & risk parameters.
- Optimized **Hadoop cluster & share drive resources** to ensure system health, cleaned spaces, & conducted in-depth analysis of ad hoc requests for improved operational efficiency.
- **Extracting, cleaning, transforming, and analyzing** large volumes of data from diverse sources.
- **Creating specification documentation** based on requirements gathered from Data Analytics team.
- Define various **code scripts** used for Data Analysis purpose, put in place the systems and processes to routinely benchmark.
- Enable Data Scientist and product partners and collaboratively with Seniors to **fully leverage our platform**.
- Developing **reports, KPI Scorecards and dashboards** using Tableau and Excel.
- Identified and resolved any **processing or procedural issue** as they occurred.
- Maintained **proofs-of-concept and prototype data solutions**, assessing their visibility and scalability with the team.
- Collaborated closely with operations and sales team to **identify customer needs and demands**.
- Developed PySpark pipeline utilizing Spark-SQL for data importation into Hive, transformation, & aggregation, integrating schema validation & consistency checks for data quality

PROJECTS :
1.**KPI Metrics**: Build more than 70 metrics to measure dependencies of data at borrower and Trade levels.

- Ensured compliance with **RBI Regulatory Requirements** by preparing monthly banking facility data to Identify Fraud and Anomalies in data at Borrower and Trade level.
- Verified **accuracy of Credit Information** by identifying **inconsistencies** in demographic level data between current and previous records.
- Reduce the data discrepancy for **One Borrower Multi ID, One Borrower Multi DOB, DPD** by 15, 10 and 20 percent.

2. **DPD After Closure**: It indicates if there have been any defaults or delays in payments. Lower DPDs indicate on-time payments, which is preferred. Credit scores and loan eligibility can be adversely affected by a high DPD.

- On the analysis found many account which is having 0 dues and members reporting 0 DPD and **customer Credit scores are getting low**.
- Anticipated a significant milestone in 2024 by **reducing members' DPD by 3%**.

3. **NULL ID's Analysis**: When creating an account for a new customer you must perform KYC and CIP, and When **ID** verification is **not** successful, the account is created these type of accounts we categorize as a NULL ID's.

- Discovered **millions of accounts where single identification documents** were not submitted, leading to continuous reporting to CIBIL by the members.
- Successfully convinced and collaborated with a team of 10 members to **reduce null IDs by 12 percent, resulting in a 4% reduction** within 6 months.
- Implemented tasks related to allocated null IDs, which served as crucial building blocks for projects and milestones, **ensuring the completion of task groups**.

SUPERVISOR / TEAM LEADER   Feb '22 - Oct '22

BECIL (Broadcast Engineering Consultants India Limited)

• Optimizing data storage for quick **analysis** of product **KPI** which increased our efficiency by 40 percent.

• Preserving **Data Integrity** of various customer Databases and safeguarding customers data.

• Conducted **market analysis for survey** and outreach teams, resulting in a 19% increase in new contracts.

• **Managing a team** to data analyze for short and long time projects to help team.

PROJECTS :

1. AFES: (Area Frame Establishment Survey)

• AFES: (Area Frame stabilized Survey) a survey aimed at capturing employment in the informal sector and creating **reports** of various sectors having less than 10 workers using **Power BI**. This project that comes under the Ministry of Labor and Employment had unveiled results revamped.

2. QES: (Quarterly Employment Survey):-

• QES: (Quarterly Employment Survey) which captured the employment situation for organized sector and establishments having more than 10 workers.

• QES henceforth will provide frequent (quarterly) updates about the employment and related variables of establishments, in both organized and unorganized segments of nine selected non-farm sectors.

• The nine selected sectors are Manufacturing, Construction, Trade, Transport, Education, Health, Accommodation & Restaurant, IT / BPO and Financial Services, accounting for a majority of the total employment in the non-farm establishments.

Formed as a Sales Analyst in HDFC BANK since August 2019 to October 2020.

Formed as a CCRP in Sales Team in YES BANK since June 2017 to November 2017.

Formed as a Sales Officer in ICICI BANK from May 2015 to March 2017.

EDUCATION

Executive PG Program in Data Science

International Institute of Technology Bangalore   Bangalore

MCA (Master in Computer Applications)

ANNA UNIVERSITY   Chennai

BSC IT (Bachelor of Science Information Technology)

University of North Bengal   Siliguri

DECLARATION

I here by declared that all the details maintained above are in accordance with truth and fact as per my knowledge and I hold the responsibility for the correctness above maintained particulars.

Signature

SAJAHAN BISWAS