Avisek Sukul

Data Scientist

Meticulous professional with 6+ years of experience in machine learning, statistical modeling, data mining, data visualization, storytelling, and creative thinking.

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SKILLS

Python   SQL   PySpark   R   Hive   Tableau   Julia

WORK EXPERIENCE

Data Scientist
AYASDI (Symphony AI)

01/2019 – Present   *Hyderabad, India*

Ayasdi offers an enterprise-grade artificial intelligence platform. It has been recognized as one of the world's most innovative companies from both Fast Company and the World Economic Forum.

- Standard Chartered Bank - Transaction Banking: Revenue augmentation by identifying the important drivers of the operational account fluidity for corporate customer accounts. In addition, forecasting the cashflow for the corporate customer accounts with an error rate of less than 7.5%, which in turn has aided the RM's to propel the low operational account customers.
- Reliance JIO - Churn Management: Identification of attributes and segmentation of customers prone to churn. Moreover, the prediction of the probability of customer churns with a detection rate of 72%, thereby retaining customers in the network cycle.

Data Scientist
National Payments Corporation Of India

04/2017 – 12/2018   *Hyderabad, India*

An umbrella organization for operating retail payments and settlement systems in India. It was set up with the guidance and support of the Reserve Bank of India (RBI) and the Indian Banks Association (IBA).

- Fraud detection in RuPay e-commerce transactions: Rule-based scoring to establish the foundation of fraud transactions. Implementation of machine learning techniques on the suspicious transactions marked by the rule-based engine with an average fraud detection rate of 78%. This helped the banks to save a huge amount of money by taking necessary actions to stop further transactions from the card suspected as a fraud.
- RuPay Card Promotion Offers: Descriptive Analysis to validate whether the RuPay cardholders use their card for daily transactions or just for availing free lounge access. Also, analyzing the state-wise top merchants to help in better campaign management to promote usage of RuPay cards for daily transactions by providing customized offers.
- Forecasting of UPI, NFS, IMPS transactions: Implementation of time series forecasting model to forecast the total count of transactions in case of UPI, NFS and IMPS- overall and bank-wise for the coming month with an average error rate of nearly 5%. This helped in investigating the cannibalization of UPI on NFS and IMPS and providing a heads up for the performance of top banks in the context of online transactions.
- Twitter Sentiment Analysis of NPCI products: Sentiment Analysis of multiple twitter handles of NPCI resulting in the improvement of response time and quality by interpreting tweets in a comprehensible manner and providing the report to the operations team for taking appropriate actions.
- Automation through Web Scrapping: Consolidating around 500 files hosted on multiple sites into a single report achieving a drastic reduction in implementation time and effort.

WORK EXPERIENCE

Business Analyst
Tata Consultancy Services Pvt. Ltd.

10/2012 – 06/2016   *Kolkata, India*

- CITI BANK: Developed a user-defined application to scrutinize the performance of each product across geographic regions. The end-user being business heads assisted them to have an overview of achievements and deficiency based on various metrics. Data presented in both graphical and tabular forms.

EDUCATION

Post Graduate Program (full-time)
Praxis Business School

07/2016 – 03/2017   *Kolkata, India*

- Data Science and Machine Learning

Bachelor of Engineering
Bangalore Institute Of Technology

06/2008 – 05/2012   *Bangalore, India*

- Electrical and Electronics

WORKSHOP

1. Computational Machine Learning and AI organized by the IEEE Computational Intelligence Society and Julia Computing, Inc.

2. PyCon, Hyderabad - 2017, 2018

3. Robotics conducted by Li2 innovations Lab and IEEE.

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Native or Bilingual Proficiency