

ANIRBAN SARKAR

Senior Software Engineer (AVP)

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I am highly motivated, teamwork and result oriented and responsible Data Scientist with 10+ years of experience in several areas such as software development, operations and analytics. I have demonstrated deep expertise in using my technical, analytical and problem-solving skills to build process optimization, transformation and yield stellar results for all stakeholders.

PROFILE SUMMARY

- Experience on end-to-end flow of solution building that includes understanding business requirements, analyzing the feasibility, data understanding and preparation, building predictive models.
- Well versed in statistical techniques and methods including Linear and Logistic Regression, clustering, classification, predictive modeling, time series analysis, forecasting and multivariate analysis.
- Worked on other various state of the art machine learning algorithms such as Random Forest, XGBoost and Time Series Forecasting (ARIMA, SARIMA).
- Good Knowledge in NLP Techniques, Lexical, Syntactical and Semantic Processing, POS Tagging, Word2Vec, Text Mining, Text Classification using Python.
- Good knowledge in Python, Pandas, NumPy, Scikit learn, Stats model, NLTK, Seaborn & Matplotlib etc.
- Good Understanding of Business Analytic & Business Domain such as Credit Risk in Banking.
- Good working knowledge of data visualization using Seaborn, Matplotlib, d3.js etc.
- Good working knowledge about CI/CD pipeline and model deployment.

KEY DATA SCIENCE PROJECTS

- Customer Acquisition Analytics: Built a model for cross selling a credit product to identify the right customers for improving the response rate. As a result, the model reduced the customer acquisition cost by 60%.
- Credit Risk Analysis: Built predictive models to identify the likely defaulters at the credit card application stage. The model determined the factors affecting the credit risk, mitigated the acquisition risk and reduced the credit loss from 6% to 1% customers.
- Credit Card Fraud Detection: Built a model with 0.95 ROC-AUC score with several machine learning algorithms while handling the data imbalance.
- Performed EDA on the bank customers data for minimizing the risk of losing money by identifying the group of customers for approving and not approving the loans.
- Developed a predictive model with 84% accuracy to identify the customers at high risk of churn of a telecom industry dataset and to find out the major indicators of churning.
- Achieved 80% accuracy in building a model for identifying leads for increasing the lead conversion rate for an education company dataset.

EXPERIENCE

WELLS FARGO INDIA

Bangalore, India

Senior Software Engineer

July, 2017 to Date

- Created a solution to automate the application workflow process for credit limit utilization so that each application can be initiated in 1/6th of the time saving almost more than 60 minutes per day.
- Counterparty Risk Analytics - Built several insightful monitoring reports like MPE Daily Variance that helped Risk Officers to make critical decisions.
- Created a portal using front-end technologies for Counter Party Credit Risk to visualize credit limits for individual customers.
- Brought the efficiency by migrating the old build and release tools to GitHub, uDeploy and Jenkins.
- Optimized an application by introducing an idea of de-normalizing the SQL tables which made the query time faster.

TATA CONSULTANCY SERVICES

Bangalore, India

IT Analyst

Dec 2009 to June 2017

- Developed several process improvements tools for production support team for monitoring activity.
- Created application for OCC report generation that automated the reporting process.
- Involved in source code scanning using IBM AppScan, secure assist to identify security vulnerability.

EDUCATION

Post Graduate Diploma in Data Science from IIIT- Bangalore in 2020

MS in Technology Management from Southeast Missouri State University in 2015

B.Engg from Jadavpur University in 2009

ADDITIONAL INFORMATION

- Received the "Wells Fargo Champion - Innovation" in Wells Fargo award in 2019.
- Received the "Best in Technical Excellence" award in TCS in 2016.
- Received "National Merit" scholarship for securing 52nd rank in Board Examination.