Omsingh Bais

Data Scientist | Machine Learning Engineer| Mentor

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Profile Overview

- A Data Scientist, Full Stack Machine Learning Engineer with solid experience in building and productizing scalable large-scale machine learning models for enterprises using cutting edge technologies
- Working with global top tier organizations for 3 .5 years of work experience in DataScience, Big Data & Data Analytics, I have gained strong business knowledge on various technologies and in different functional domains.
- Experience in generating business insights by processing large volume of data.
- Experience in data modelling, understanding business priorities, deriving data driven solutions, enabling value-creation and proficient in communicating insights to clients and senior business leaders.
- Ability to learn and apply appropriate analytical tools and techniques to accomplish business objectives.
- Good analytical & technical skills and proven record of accomplishment in estimation & development of business applications across various domain.
- Proficient in Python, R, Statistics, Machine Learning, Deep Learning, Microsoft Azure.
- Fundamental knowledge about Tableau, Snowflake database.
- Self-directed and capable of working effectively in a team and as an individual.
- Experienced in mentoring fresher/trained professional to transition career in the field of Data Science and Machine learning.

Career Profile

Skylex Technology Pvt. Ltd. (July 2018 – Jan 2022)

Lighthouse Theatrical Distribution application

Client Name: Warner Bros.

Project

Lighthouse is a Machine learning capability integrated R Shiny based application used by Business users of Warner brothers to seek approval for the new movie before releasing in Theatres. The application involves features like Machine learning based Box office collection forecasting, movie recommendation system, Data Visualizations and generating pdf/excel reports.

- Designed, built and deployed R Shiny based dashboard.
- Performed EDA and show cased the results using dynamic multivariate visualization plots.

- Used advanced R libraries like Shiny BS, DT to create interactive GUI.
- Worked on R Markdown to create readable pdf reports built in Latex format.
- Developed and Deployed Machine learning model to predict Domestic Box Office collection for a new movie to be released, (Used Linear regression and Ensemble methods)
- Implemented movie recommendation systems based on Jaccard's similarity index and Binary logistic regression (Predictive modelling).
- Scheduled model for retraining using Windows scheduler through R Studio editor using task Scheduler library.
- Proactively initiated talk with Business users to show case different Machine learning basedcase studies that could improve business outcomes.
- Managed team of 2 and was solely responsible to create project documents and weekly status reports.
- Built a good rapport with Business users by delivering every requested task before the given deadline with 0 escalation.

Fraudulent Insurance Claims Detection System

Client Name: AXA

Project

This project is about Detecting the Fraudulent Claim cases in Liberty/ any Claims management system Make the best use of available resources (Infra Capacity, Historic Claims, Client, policy information) and build a Machine learning Model based on insights from existing data. The benefits out of this project are, Increase in the saving of client cost for fraudulent claims, which in turn is huge monetary benefit to the Customer. Early detection and prevention of fraud Easy to implement plug and play solution.

- Developed end-to-end Flask based application to identify the Fraudulent Claims using advanced Machine learning algorithms.
- Using appropriate feature engineering and hyper parameter tuning techniques we achieved a satisfactory Recall of 0.78 to detect Fraudulent Claims
- Utilized Microsoft Azure cloud services like Azure DevOps, Azure ML SDK and MLOps.

Data Analysis of Telecom Data

Client Name: Deutsche Telekom

Project

Used predictive analytics for predicting the approximate success rate of a new scheme based on the past preferences of customers. Finding insights for products which are actually affecting the business and which product faced downfall in purchase. Performed EDA analysis for which particular age group they need to target, Number of month the customer has stay with the company.

Angel BEE Analytics

Client Name: Angel Broking

Project

Angel BEE is a trading/investment Android based platform launched superficially to attract new customers.

- Implemented K-means/DBSCAN clustering to segment customers to target promotional campaigns and offers.
- Implemented algorithm to classify potential customers to sell new products.
- Worked closely with marketing team, thereby helping them with statistical analysis and show casing the underlying latent information/pattern present in the data.

Skill Profile

Statistical Analysis	Regression modelling and validation, Multivariate Linear Regression, Logistic, Regression, Missing Data Imputation, Hypothesis Testing, Correlation Analysis.
Machine Learning/Deep Learning	Linear Regression, Logistic Regression, Random Forest, KNN, Support Vector Machine, K-Means Clustering, Decision Tree, Hyper parameter Tuning, PCA, Cluster analysis, Visualization, Gradient Boosting Algorithms, Ada Boosting, Naive Bayes, Basics of Artificial Neural Networks (Deep Learning). Like ANN, CNN, LSTM
Programming Language	PYTHON, R
Cloud Computing	Azure ML
Database	Snowflake, SQL
Data Visualization	Matplotlib, Seaborn, Tableau

Educational Background:

- BE in Information Technology (2015-2019)
- Diploma in Computer Engineering (2012-2015)