***Profile Summary:***

*Advanced Analytics professional with 5 years’ experience in data analytics and expertise in tasks such as data collection, data visualization, data preprocessing, feature selection, feature engineering, predictive modeling, model deployment with hands-on experience in leveraging Python , SQL, machine learning, data analysis skills to solve business problems*

***Skills:***

*Python: Pandas, Sklearn*

*Machine learning:*

*Classification: Logistic regression, K nearest neighbor, Naive Bayes, Support vector machines, Decision tree, Random forest, Boosting, Stacking, Cascading*

*Regression: Linear regression, K nearest neighbor, Support vector machines, Decision tree, Random forest, Boosting*

*Clustering: K – Means, Hierarchical clustering, DBSCAN*

*Time Series: AR, MA, ARIMA*

*Deep learning: Artificial neural network, knowledge on Convolution neural network*

*Natural language processing: Text processing, Sentimental analysis, knowledge on RNN, LSTM.*

*Data Visualization: Tableau*

*Databases: IBM DB2, Hive, SQL Server*

***Experience:***

***HDPI, Bangalore***

***June 2019 – till Date***

***Designation: Data Analyst, Decision Sciences***

*Projects:*

1. *Financial crime risk(Banking)*

*Project Description: As Anti money laundering is one of the important problems that banks are facing today, we as a part of FCR try to capture the suspicious behavior of customers from their transaction behavior.*

*Environment & technology: Python, SQL, Machine learning, Excel, ARIMA*

*Team size: 9*

* *TMPIP (Transaction monitoring program):*
* *The aim of this project is to reduce the false positives or violations getting generated through data driven optimization.*
* *As a part of which we used to implement the fcr scenarios to the countries where bank has operations by leveraging the techniques such as segmentation (clustering), brute force or statistical approach and a ML model used to prioritise the violations for investigation.*
* *It reduces the false positives alerts and provides the investigators with optimal number of cases to investigate thereby benefits the bank in saving the amount spent on investigations.*
* *Targeted Optimization:*
* *This team was formed to tackle the transaction behavioral changes caused due to COVID.*
* *As a complete TMPIP model used to take around 2-3 months for implementation, but to tackle the suspicious behavior in this unstable environment the tuning was done at each segment level instead of complete implementation.*

***Accenture, Bangalore***

***June 2016 - June 2019***

***Designation: Application development Analyst***

*Projects:*

1. *Zurich Farmers Insurance*

*Project Description: Zurich farmers insurance is one of the leading insurance company which has variety products under life, auto, home, health etc.., we used to develop various weekly/monthly/yearly insurance dashboards and answer various business questions using advance analytical techniques.*

*Environment & technology: Python, SQL, Machine learning, Deep Learning, Tableau, NLP*

*Team size: 6*

* *Insurance claims fraud prediction:*

*The aim of this problem is to identify the claims filed as legit or not with the help of predictive modeling.*

*As a part of this project performed activities such as data extraction, understood the data features, data preprocessing, data modeling.*

*It helped the investigators in identifying the fraud claims.*

* *Cross –sell value generation:*

*The aim of this problem is to predict the probability the existing customers buying the other insurance product, using machine learning techniques which help the organization in increasing the profits.*

* *Customer feedbacks/complaints text analysis and classification which helps in resolving the complaints.*
* *Dashboard development*

1. *Advanced analytics capability(IT Operations)*

*Project Description: In this project we used work on the call center data to improve the efficiency of call center resources and customer experience.*

*Environment & technology: , Machine learning ,ARIMA, NLP, Tableau*

*Team size: 6*

* *Sentimental analysis of customer feedback*
* *Customer issue tickets text classification, so that it helped in routing the tickets and resolving the tickets much faster which improves the customer experience.*
* *IT call center Dashboards development*