Vedant Kulkarni

Machine Learning Developer | +91 9130139607

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**GitHub**: <https://github.com/vkms9417/Machine-Learning-Projects>

# SUMMARY

* Data enthusiast with 0.7 years of analytical industry experience in Data Analytics and Machine Learning Development
* Experience around 1.8 years in Batch Monitoring Support in Mainframe.
* Certified data scientist with expertise in data visualization, building and deploying Machine Learning models
* Adept in solving analytical challenges with business impact

# SKILLS

**Statistical Modelling:** EDA, Feature Engineering, Hypothesis, ANOVA.

**Machine Learning:** Decision Tree, Random Forest, SVM, K-means clustering, KNN, Naive Bayes, Linear regression, PCA, Ensemble techniques.

**Programming Languages:** Python, Java, C, CPP

**Database Language:** MySQL

**IDE:** Jupyter Notebook, Spider, Visual Studio, Eclipse, Google COLAB

# WORK EXPERIENCE

**TCS, Pune** – **Associate System Engineer (July 2020 – PRESENT)**

# Responsibilities:

* Monitoring the critical batches which carries the all-banking transactions
* Troubleshoot and investigate the root cause of failures. Finding the solution and fix it.
* Manage IPLs and core releases which is part of upgrading the update in banking system and application

# Data Science Activities at the organization:

* Built a model to predict ESP job failures which helped preventing multiple SLA failures. As a result, company saved significant amount of SLA miss charges.

# PROJECTS

Below are some of the many models I have built and deployed over last 2 years. Code for all these models can be found on my Git-Hub profile.

## Predict churning customers for a Telecom company based on temporal behavior:

This project is based on the case study of a telecommunication company, which is facing a customer churn issue. The project aims at understanding the pattern of the data and predicting customers who are going to churn based on multiple variables to help the company in retaining their existing customers.

**Skills and Tools:** EDA, Logistic regression, Decision Trees, Random Forest, XGBoost, Adaboost, python, ML workflow

Validation accuracy of this model is 93%.

## Supervised Learning Project:

This project uses the most popular classification techniques to predict the outcomes after extensively working on EDA treating missing values and imbalanced data. This project has two parts.

**Part 1**-Predicting the condition of the patient depending on the received test results on biomechanics features of the patients according to their current conditions.

**Part 2**-Build an AIML model to perform focused marketing by predicting the potential customers who will convert using the historical database.

**Skills and Tools:** Logistic Regression, Naive Bayes, KNN, Classification, Python

1. **DTH Management System:**

This project was about DTH system, which manages all the data of the customer as well as his transaction details and discontinuing the service after the deadline.

**Skills and Tools: Java and MySQL**

# CERTIFICATIONS AND ACHEIVEMENTS

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* + Tableau Certified from Udemy
  + Got on the spot award by TL for handling critical issue.
  + Achieved best team award by manager.
* As a Coordinator in Tech Manthan 2k19 and Farewell Party in our college event at JSPM’s JSCOE, Hadapsar.
* Participated and secured the first prize in ‘Techmanthan’ for making “**Vaccum Cleaner by using waste material”**

# EDUCATION

* **Great Lakes Executive Learning** - Post Graduate Program in Machine Learning 2021-2022
* **JSPM’s College of Engineering, Pune** – B.E. in Information Technology with distinction 2016-2020
* **BJS’s Jr.** **College, Pune –** 12th from science stream with distinction 2014-2016
* **BJS’s School-** 10th with distinction 2013-2014

# PROFESSIONAL SKILLS

* Ability to deal with ambiguity and work with rapidly changing business data.
* Proactive and strong problem-solving skills.
* Passionate Team Player with Can-do attitude.
* Good in coding