ML Capstone Project Report

# Chapter 1: Introduction

# Chapter 2: Problem Statement

2.1 Data Set (Feature descriptions)

# Chapter 3: Project Plan

## 3.1: Flow Chart

# Chapter 4: Data Insights (Exploratory data analysis)

## 4.1. 5 Point Summary (Statistical Description)

## 4.2. EDA and Visualizations

### 4.2.1: Univariate and Bivariate Analysis (Selective features)

### 4.2.2: Correlation plots (Heat Map)

## 4.3 Outliers Summary (Identification and handling)

# Chapter 5: Model Selection and Building

## 5.1 Selection of Model (Identify type of Machine learning and algorithm)

## 5.2 Model Baselining

### 5.2.1 Data Scaling

### 5.2.2 Data Segregation (Talk about percentage of division and randomization, also explain the parameters of the python function use to split the data)

5.2.3 Model Training and Testing

5.3.4 Score Metrics

# Chapter 6: Model Tuning

6.1 Compare different models’ accuracy scores, Recall and F1

6.2 Increasing model efficiency (accuracy)

6.3 Final Model Selection

# Chapter 7: Conclusion

7.1 Summary (Final Model selection)

7.2 Problems experienced and improvements.

# Appendix

(Mention about Python libraries and how they have helped in our project)