**PROJECT: OPERATIONALIZING MACHINE LEARNING**

**EXPERIMENT 1: PIPELINE AUTOMATION USING AUTOMATED ML AND STUDIO INTERFACE**

**Creating Machine Leaning experiment** using AutoML: Consuming bank marketing dataset

Configuring Compute cluster:

Using studio interface

Running Classification Experiment:

Using AUC\_Weighted as metric

Select Best Model AND Deployment:

Enabling authentication and using Azure Container Instance

Enabling application insight:

Using Gitbash command line tool

Consume Model using Swagger:

Using Gitbash command line tool

Consume Model End Point:

Run python script with Rest API and Primark Key taken from studio interface. Check return values from model.

**EXPERIMENT 2: PIPELINE AUTOMATION USING AZURE SDK**

Consume Model End Point:

Publish and run from REST endpoint.

Select Best Model And Deployment:

1. Examining all model metrics
2. Selecting and testing model

Running Classification Experiment:

1. Identifying and reviewing dataset
2. ii) Creating pipeline and AutoML steps

**Creating Machine Leaning experiment** using Python SDK: It included

i) initializing Workspace ii) Creating Azure ML Experiment

Configuring Compute cluster:

Using Python SDK Attaching Aml Compute