

PROJECT REPORT

My github account link-<https://github.com/arpmit-a>

The link of google colab notebook- <https://colab.research.google.com/drive/12OLq-6B0SINjDPAE5oTxddYiEZRIrJ7q?usp=sharing>

Major Project-1 *Predicting Water Potability*

```
import numpy as np
import pandas as pd

df=pd.read_csv('/content/water_potability.csv')
df

df=df.dropna()
#Dropping off the rows with NaN values

df

df.info()

x = df.iloc[:,0:9].values #Allocating inputs and outputs with values
y = df.iloc[:,9].values

from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test = train_test_split(x,y,random_state = 0)#Classifying the inp

from sklearn.svm import SVC
model = SVC() #importing support vector classifier algorithm

model.fit(x_train,y_train)

SVC()

y_pred = model.predict(x_test)
y_pred

from sklearn.metrics import accuracy_score
accuracy_score(y_pred,y_test)*100

61.431411530815105
```

So this project is based on multi-input classifier.

```
y_pred = model.predict(x_test)
y_pred
```

[illegible]

This is the picture of the predicted output for the project-1.