- 1) Write a flask program which should display Name, Email, phone and it should display the same details once we hit submit.
- 2) Write a flask program which should cover cookies, sessions
- 3) Write a flask program which should display resume details and also have upload resume option by using file uploading.

from google.colab import drive
drive.mount('/content/drive')
import pandas as pd
import numpy as np
import sklearn as sk
import seaborn as sns
data=pd.read_csv("/content/Churn_Modelling Dataset2.csv")
df=data.head(10)
Univariate Analysis
import matplotlib.pyplot as plt
plt.bar (df['Age'],4)
Bivariate Analysis
plt.scatter(df['Age'],df['CreditScore'])
Multivariate analysis
plt.scatter(df['Age'],df['CreditScore'],df['Tenure'])
Descriptive statistics on the dataset
data.describe()
Handling Missing values

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data.isnull().sum()
Find the outliers and replace the outliers
Finding Outliners
sns.boxplot(data['Age'])
Replacing outliners
q=data.quantile(q=[0.75,0.5])
iqr=q.iloc[0]-q.iloc[1]
iqr
l=q.iloc[1]-(1.5*iqr)
l[ˈAgeˈ]
u=q.iloc[1]+(1.5*iqr)
u[ˈAgeˈ]
data['Age'] = np. where(data['Age'] > u['Age'], u['Age'], np. where(data['Age'] < l['Age'], l['Age'], data['Age']))
sns.boxplot(data['Age'])
Check for Categorical columns and perform encoding.
df.info()
from sklearn.preprocessing import LabelEncoder
from collections import Counter as count
le=LabelEncoder()
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data['Surname']=le.fit_transform(data['Surname'])
data
data['Geography']=le.fit_transform(data['Geography'])
data['Gender']=data['Gender'].replace(['Male','Female'],[0,1])
data
Split the data into dependent and independent variables.
Independent Variables
x=data.iloc[:,0:13]
Х
Dependent Variables
y=data['Exited']
у
Scale the independent variables
from sklearn.preprocessing import scale
scale(x)
Split the data into training and testing
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2)
x_train
x_train.shape
y_train
```

y_train.shape

x_test

x_test.shape

y_test

y_test.shape