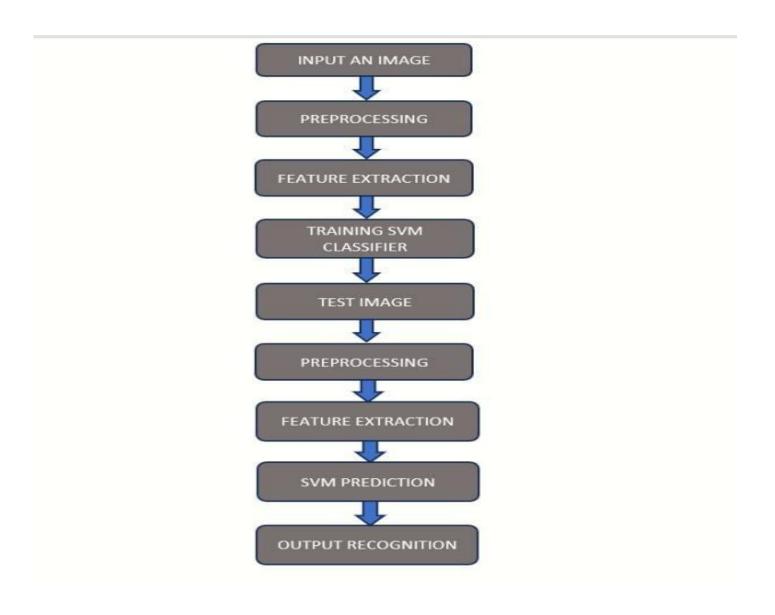
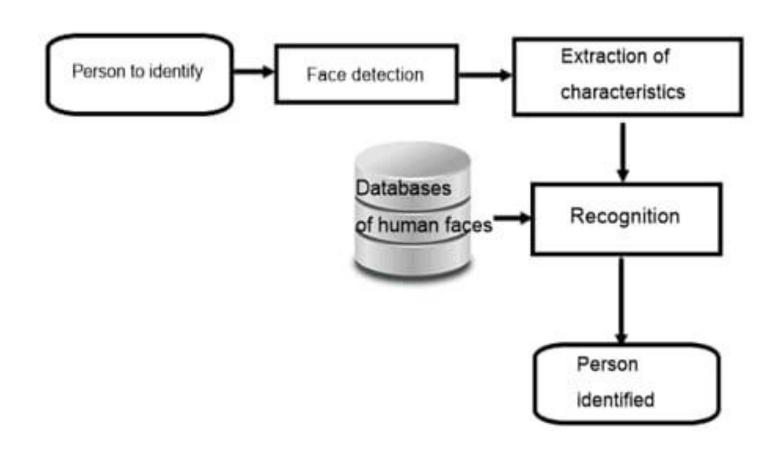
Face Recognition Using SVM

Flow Chart



Architecture Diagram



Program Code

```
\red{k} main.py 	imes \red{k} ecommerce.py 	imes \red{k} face recognition.py 	imes \red{k} readers.py 	imes \red{k} frame.py 	imes \red{k} base.py
                                                                                                                                                                                     A7 A 12 ★1 ^ ∨
          from sklearn.model_selection import train_test_split
          from sklearn.svm import SVC
          from sklearn.metrics import classification_report
          from sklearn.datasets import fetch_lfw_people
         import matplotlib.pyplot as plt
          face_data = fetch_lfw_people(min_faces_per_person=80)
          X = face_data.data
         Y = face_data.target
          print("Label names: "_face_data.target_names)
         fig,ax = plt.subplots(3,4)
          for i axi in enumerate(ax.flat):
               axi.imshow(face_data.images[i],cmap="bone")
               axi.set(xticks=[],yticks=[],xlabel=face_data.target_names[face_data.target[i]])
          model = clf.fit(X_train, Y_train)
          pred = model.predict(X_test)
          print('The best model:\n', pred)
          point(classification_report(Y_test,pred,target_names=face_data.target_names))
🗜 Version Control 🕨 Run 📚 Python Packages 🕏 Python Console 🐧 Problems 🔼 Terminal 🗘 Services
                                                                                                                                                       26:1 CRLF UTF-8 1 space* Python 3.11 (pythonProject) 🏠 🌣
```

Output

