## SUMMER FINAL PROJECT

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import tkinter as tk
import smtplib
import mediapipe
 from cvzone.HandTrackingModule import HandDetector
root = tk.Tk()
root.configure(bg="lightblue")
root.title("ML project ")
root.geometry("1200x900")
root.resizable(False, False)
     myec2 = boto3.client("ec2")
     response = myec2.run_instances(ImageId='enter your ami',
                              InstanceType="t2.micro",
                              MaxCount=1,
                              MinCount=1
def create_s3_bucket():
     bucket_name = input("Enter bucket Name :")
     region = "ap-south-1'
     s3.create_bucket(Bucket=bucket_name, CreateBucketConfiguration={'LocationConstraint': region})
     print(f"Bucket '{bucket_name}' created successfully in region '{region}'.")
def simple_message():
    account_sid = 'enter your account sid'
auth_token = 'enter your auth_token'
client = Client(account_sid, auth_token)
     message = client.messages.create(
     from_='enter number',
     body="hlw"
     print(message.sid)
      sns = boto3.client("sns")
      Message = "S3 bucket object message",
Subject = "Regarding to s3 bucket file",
TopicArn = "enter arn"
def whatsapp():
          pywhatkit.sendwhatmsg_instantly("enter number","HLW")
def sendEmail():
    from email.message import EmailMessage
EMAIL_ADDRESS = os.environ.get('EMAIL_USER')
EMAIL_PASSWORD = os.environ.get('EMAIL_PASS')
     msg = EmailMessage()
     msg['Subject'] = "holla holla!!"
```

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msg['From'] = "abc@gmail.com
msg['To'] = "xyz@gmail.com"
     msg.set_content(" enter message")
     with smtplib.SMTP_SSL("smtp.gmail.com", 465) as smtp:
      smtp.login("abc@gmail.com", 'enter passcode')
      smtp.send_message(msg)
def clickPhoto():
     cap = cv2.VideoCapture(0)
     status , photo = cap.read()
     cv2.waitKey(3000)
    cv2.destroyAllWindows()
def liveVideoCrop():
    cap = cv2.VideoCapture(0)
while True:
         status , photo = cap.read()
photo[:300,:350] = photo[100:400,200:550]
         cv2.imshow("photo", photo)
          if cv2.waitKey(13)==ord('q'):
     cv2.destroyAllWindows()
     cap.release()
def cvzone_control():
     cap = cv2.VideoCapture(0)
     while True:
         status, photo= cap.read()
         cv2.imshow("photo",photo)
hand = model.findHands(photo)
         lmlist = hand[0]
                   if model.fingersUp(lmlist[0]) == [0,1,0,0,0]:
                        ec2launch()
                        time.sleep(2)
                   elif model.fingersUp(lmlist[0]) == [0,1,1,0,0]:
                        ec2launch()
                        ec2launch()
          if cv2.waitKey(16) == 13:
     cv2.destroyAllWindows()
     cap.release()
def openFirefox():
     os.system("wt")
label = tk.Label(text="Team",bg='green',fg='white',pady=13,padx=94,font="comicsansms' 25 bold",borderwidth=3,relief="sunken"
label.pack()
label = tk.Label(text="Scripting Serpants",bg='lightgrey',fg='blue',pady=13,padx=94,font="comicsansms' 25
bold",borderwidth=3,relief="sunken'
label.pack()
label = tk.Label(root, text="LinuxXpress")
btn = tk.Button(root, text="Open Terminal", width="20",
bth = tk.Sutton(root, text="open ferminal", with= 20, height="2",fg="#FFFFFF",bg="#00008B",command=sendEmail).place(x=650,y=530) btn = tk.Button(root, text="Send Mail", width="20", height="2",fg="#FFFFFF",bg="#00008B",command=sendEmail).place(x=650,y=530) btn = tk.Button(root, text="Click Photo", width="20", height="2",fg="#FFFFFF",bg="#00008B",command=clickPhoto).place(x=410,y=430)
btn = tk.Button(root, text="Live Video Crop", width="20", height="2",fg="#FFFFF",bg="#00008B",command=liveVideoCrop).place(x=650,y=430)
height="2",fg="#FFFFFF",bg="#00008B",command=cvzone_control).place(x=930,y=430)
btn = tk.Button(root, text="Launch EC2", width="20", height="2",fg="#FFFFFF",bg="#00008B",command=ec2launch).place(x=210,y=530)
btn = tk.Button(root, text="simple_message", width="20",
height="2",fg="#FFFFFF",bg="#00008B",command=simple_message).place(x=210,y=430)
root.mainloop()
```