Steps to Deploy a Model on AWS EC2:

1. **Create an AWS account as the root user.**

2. **Enter your personal and card details.**

3. **After account creation, go to the EC2 dashboard.**

4. **Select "EC2" from the AWS services.**

5. **Click on "Launch Instance".**

6. **In the network settings, set the inbound rule to allow "All Traffic" (not recommended for production).**

7. **After launching the instance, click on the instance ID.**

8. **Select the instance and click "Connect".**

9. **Create a key pair (for security) and download the .pem file.**

10. **Save the .pem file in your deployment directory.**

11. **Open Command Prompt (CMD) in the folder where the .pem file is saved.**

12. **Install the necessary packages: python3, unzip, and update the system.** sudo apt update sudo apt install python3 sudo apt install unzip

13. **In AWS, under the SSH client tab, copy the SSH connection command. Example:**

    ssh -i "aws_deployment.pem" ubuntu@ec2-13-61-183-155.eu-north-1.compute.amazonaws.com

14. **Paste it into CMD and press Enter.**

15. **Type yes when prompted to confirm the connection.**

16. **You will now be connected to the instance.**

17. **Open another CMD window in the same directory.**

18. **To upload files, use the SFTP command (note the correction):**

    sftp -i "aws_deployment.pem" ubuntu@ec2-13-61-183-155.eu-north-1.compute.amazonaws.com

19. **Upload your deployment zip file. The zip file should contain:**

    o main.py o

    saved_model.pkl

o	templates/ o

requirements.txt

20. **Once connected, upload the file using:**

put deployment.zip

21. **Unzip the deployment folder:** unzip deployment.zip

22. **List the files to confirm extraction:** ls

23. **Navigate into the deployment directory:** cd deployment

24. **Install required Python packages:**

pip install -r requirements.txt If errors occur, try: pip

install -r requirements.txt --break-system-packages

25. **In main.py, make sure the following line is present to run on port 7080:**

app.run(host="0.0.0.0", port=7080)

26. **Run your application:**

python3 main.py **Notes:**

•	**To edit any file on the server:** vi <filename> o	Press i to

enter **INSERT** mode. o	After editing, press Esc, then type

:wq to save and exit.

Once your Flask app is running with:

python3 main.py

And it's bound to:

app.run(host="0.0.0.0", port=7080)	[**main.py should contain this**]

You can access your site using your EC2 instance's **public IP address** and the **port number** in your browser:

http://<your-ec2-public-ip>:7080

Example: If your instance's public IP is 51.20.132.230, go to:

http://51.20.132.230:7080