Instruction For hosting

1. Create an instance
2. Add a key pair file
3. Connect ssh connection from your pc using key pair file and your server's public DNS

Like this:

Ssh -i "keypair file name" ubuntu@public DNS

Let's say key pair file name is "clementine.pem" , and server's public DNS is "ec2-44-201-111-213.compute-1.amazonaws.com". So the ssh common will be look like this:

ssh -i<space> "clementine.pem"<space> ubuntu@ec2-44-201-111-213.compute-1.amazonaws.com

4. After connecting ssh, you can install the libraries.
5. Run these commands after each command has been finished.
    a. sudo apt-get update
    b. sudo apt-get install python3 python3-pip
    c. sudo apt-get install nginx
    d. sudo apt-get install gunicorn3
    e. pip3 install scikit-learn numpy pandas flask
    f. pip3 install nltk
    g. pip3 install https://storage.googleapis.com/tensorflow/linux/cpu/tensorflow_cpu-2.11.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl
6. Now download your chatbot api project from github by using this command:

git clone YOUR_GIT_LINK

Suppose my chatbot api project's git link is this: "https://github.com/nooralight/chatbot_rasberry.git" . So the command will be link this:

git clone https://github.com/nooralight/chatbot_rasberry.git

7. Now we will configure our nginx server.

Goto the configuration directory with this command "cd /etc/nginx/sites-enabled/"
Then create a file using this command "sudo nano flaskapp"

Then we will go to the text editor, type these lines in that file:

```
server {
        listen 80;
        server_name YOUR_PUBLIC_DNS;

        location / {
                Proxy_pass http://127.0.0.1:8000;
        }
}
```

After writing these lines carefully, you will save the file by pressing ctrl+o . The files has been saved, now get out from the text editor by pressing ctrl+x .

8. Run this command "sudo service nginx restart"
9. It's time to run and host the api. Type these commands one after another.
    a. cd ~
    b. cd chatbot_rasberry
    c. screen
    d. gunicorn3 app:app

That's it!

You can use this API anywhere anytime, your api link will be your server’s public DNS.