Steps :

1. Create ec2 instance
    a. Create default ec-2 instance with aws linux server
    b. Save .pem file (for ssh)
    c. This .pem will be required while login from local computer
    d. Once ec2 instance created , a default user ec2-user will auto get created
    e. Login using local :
        i. ssh -i Downloads/ec2_key_pair.pem ec2-user@98.81.204.98
    f. Create a user and password
        i. sudo adduser dev-1
        ii. sudo passwd dev-1
    g. Set user their ssh key in ec2 so that to login safely
        i. sudo mkdir -p /home/dev-1/.ssh
        ii. sudo cp ~/.ssh/authorized_keys /home/dev-1/.ssh/
    h. Assign user their roles and permissions
        i. sudo chown -R dev-1:dev-1 /home/dev-1/.ssh
        ii. sudo chmod 700 /home/dev-1/.ssh
        iii. sudo chmod 600 /home/dev-1/.ssh/authorized_keys

    i. Grant sudo privileges to dev-1
        i. sudo visudo
        ii. dev-1 ALL=(ALL) NOPASSWD:ALL (this will set dev-1 to use sudo command , some alternatives options are also there)
    j. Login with new user dev-1
        i. ssh dev-1@98.81.204.98
    k. Install dependencies
        i. sudo dnf update -y
        ii. sudo dnf install -y gcc make wget curl tar git sqlite-devel bzip2-devel openssl-devel libffi-devel

    l. (Optional)Install python other version (3.10) because pre-installed was 3.9
        i. cd ~
        ii. wget https://www.python.org/ftp/python/3.10.13/Python-3.10.13.tgz
            tar xvf Python-3.10.13.tgz
        iii. cd Python-3.10.13
        iv. ./configure --enable-optimizations
        v. make -j$(nproc)
        vi. sudo make altinstall
    m. Install virtual env
        i. python3.10 -m venv myenv
        ii. source ~/myenv/bin/activate

n. Clone github directory
    i. Git clone <https: repo link >
o. Install required packages
    i. pip install --upgrade pip
    ii. pip install -r requirements.txt
p. Run the main or backend api file
    i. Python3 run.py

Finally : Access over the internet

1. Make sure your API is hosted on `0.0.0.0`

2. Open the port in the EC2 Security Group

- Go to AWS EC2 Console
- Select your instance
- Find the Security Group
- Click Edit inbound rules
- Add rule:
    - Type: Custom TCP
    - Port Range: 8000 (or whatever you're using)
    - Source: 0.0.0.0/0 *(or your IP only for security)*

3. Finally check the public IP with port in chrome it will run