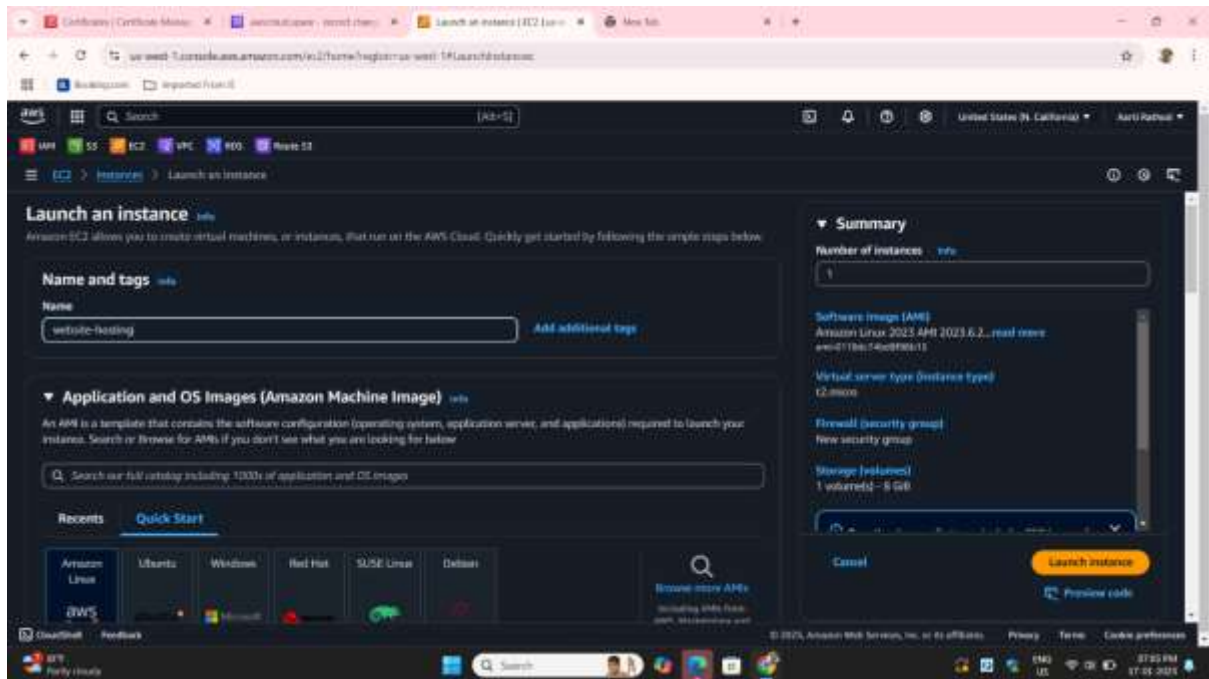


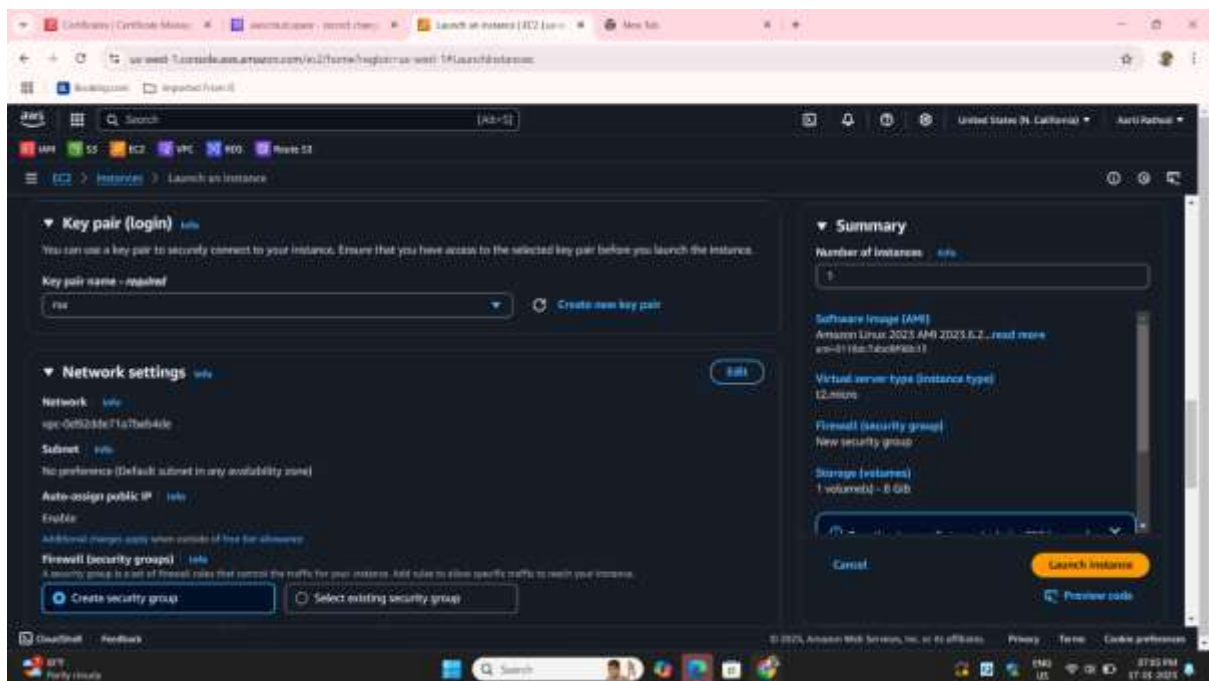
Host a Website on EC2 Instance and Connect Using Route 53 (Domain in Hostinger)

Step 1: Launch and Configure EC2 Instance

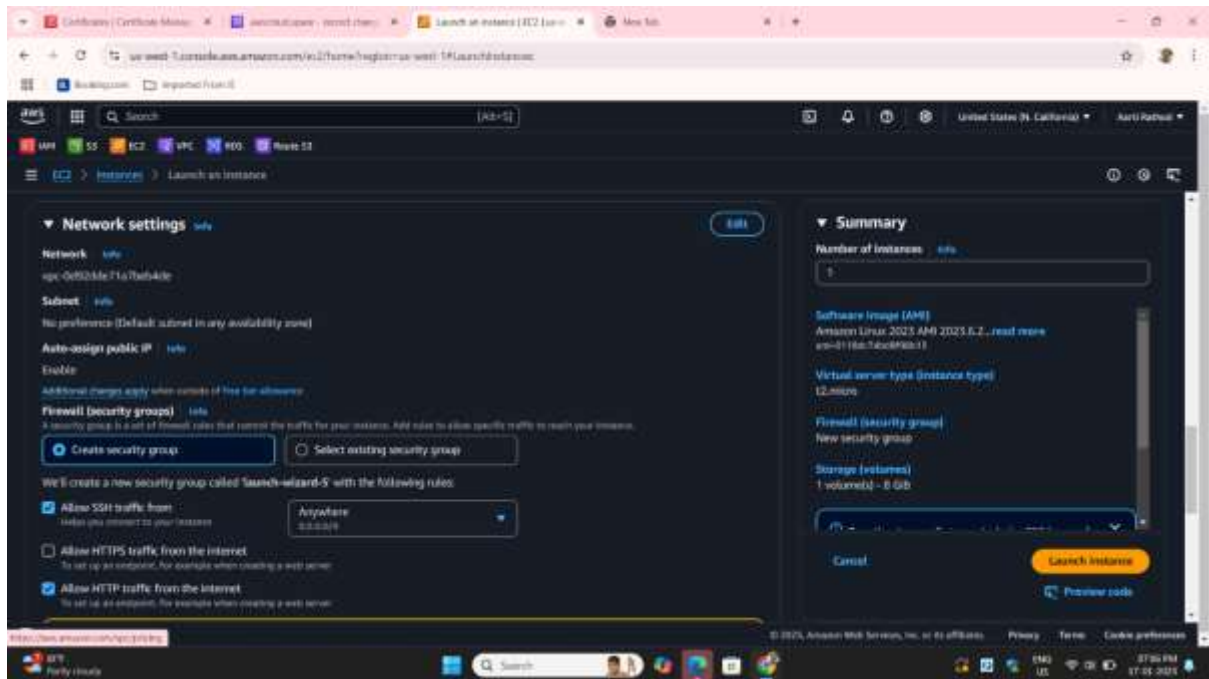
Go to AWS EC2, launch an instance, give a name to the instance and select Amazon Linux 2.



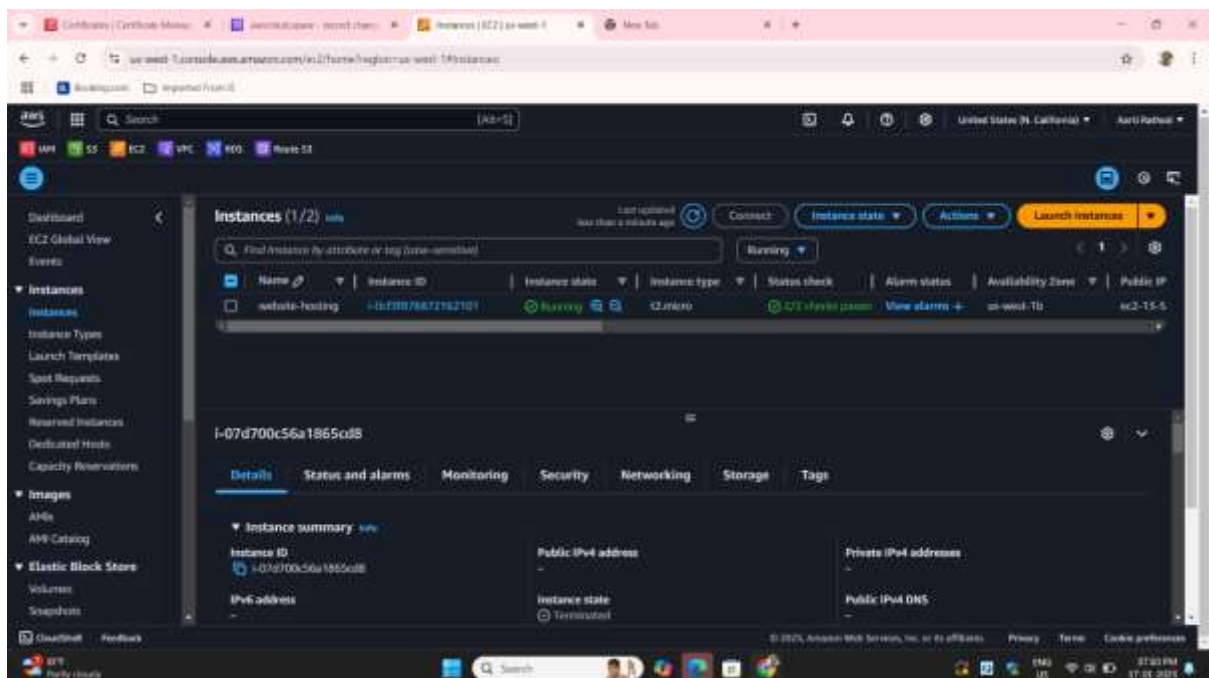
Step2: Create keypair or select the existing one.



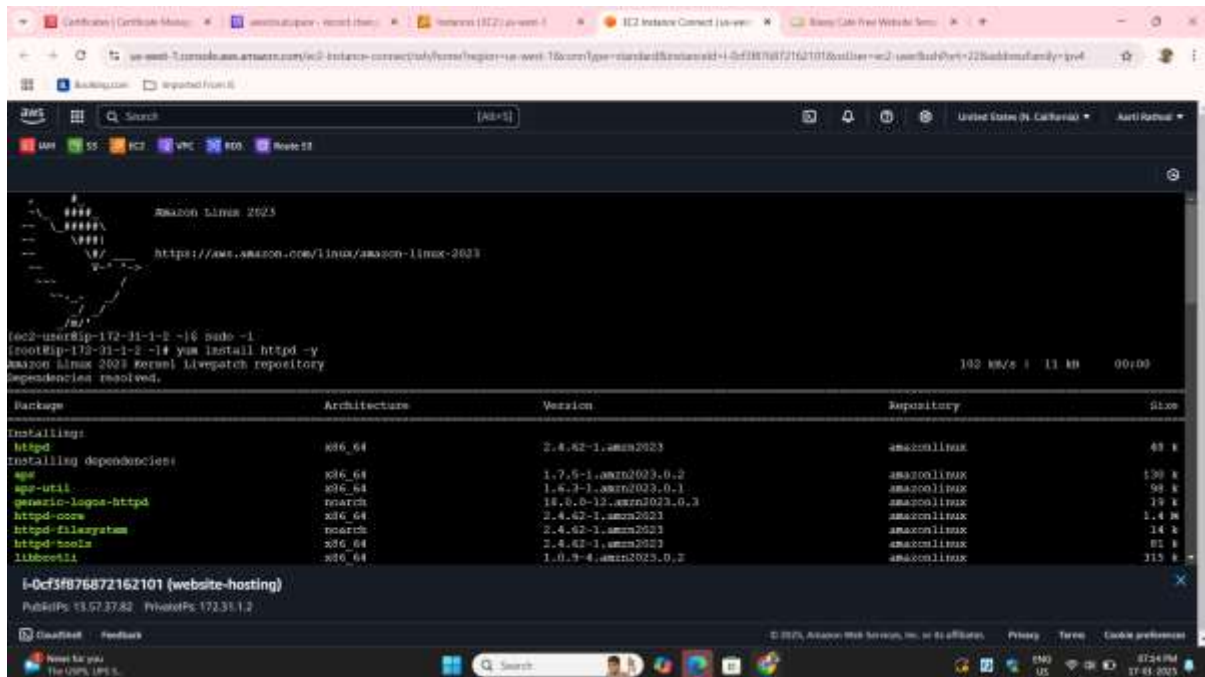
Step3: Assign a Security Group with HTTP (port 80) and SSH (port 22) open. And click on Launch Instance.



Step4: SSH into the instance and install a web server

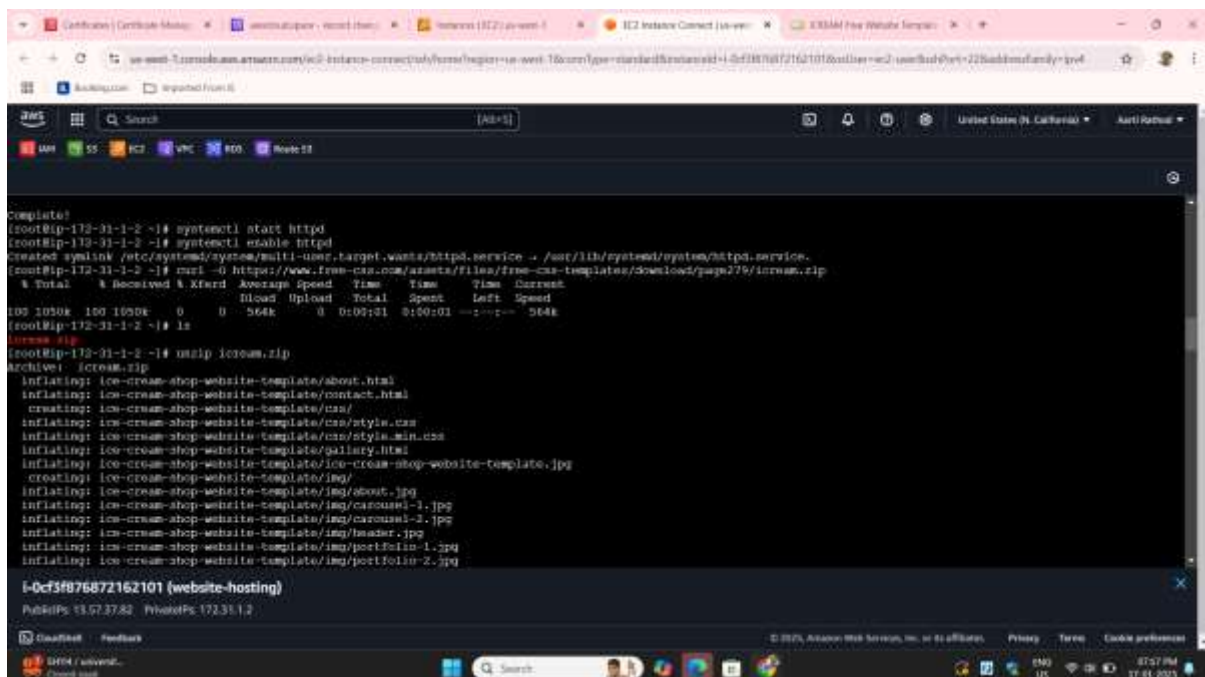


Step 5: Switch to root user using sudo –I install http server



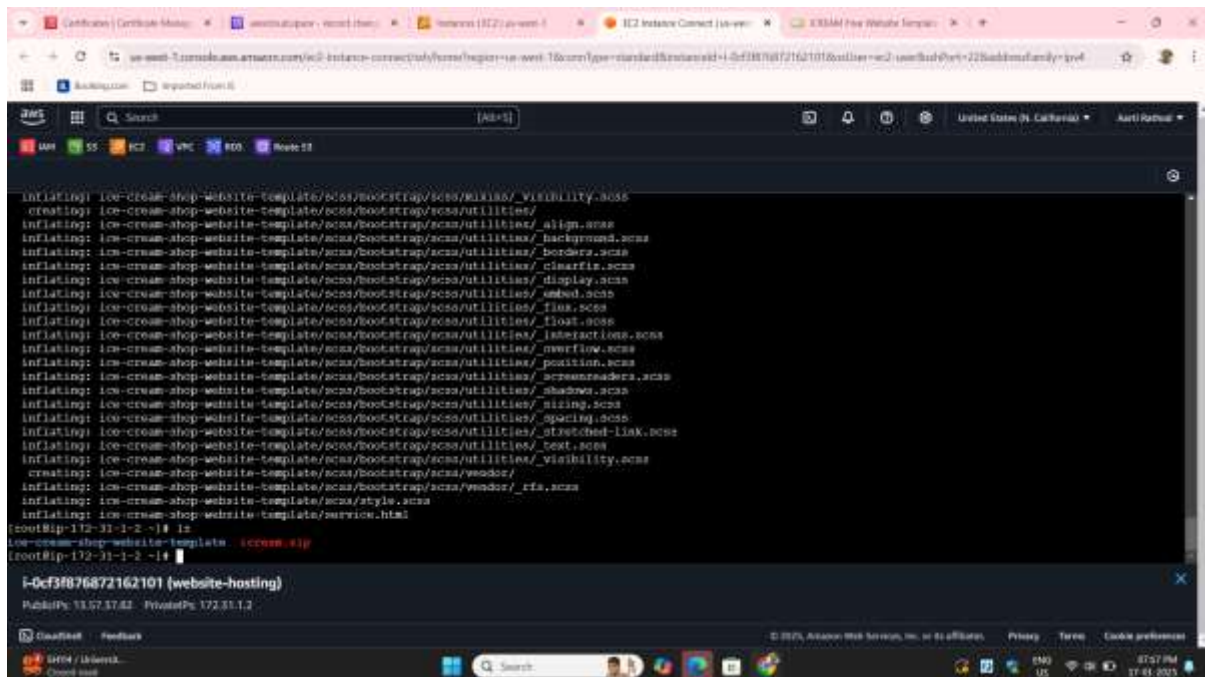
```
mac2-user@ip-172-31-1-2 ~$ sudo -i
[root@ip-172-31-1-2 ~]# yum install httpd -y
amazon linux 2023 kernel livepatch repository
Dependencies resolved.
=====================================================================================================================================
Package                               Architecture Version                                Repository                               Size
Installing:
httpd                                 x86_64      2.4.42-1.amzn2023                      amazonlinux                               43 k
Installing dependencies:
apr                                   x86_64      1.7.5-1.amzn2023.0.2                  amazonlinux                               139 k
apr-util                             x86_64      1.6.2-1.amzn2023.0.1                  amazonlinux                               98 k
gettext-logos-httpd                  x86_64      14.0.0-12.amzn2023.0.3                amazonlinux                               19 k
httpd-core                           x86_64      2.4.42-1.amzn2023                     amazonlinux                               1.4 M
httpd-devel                           x86_64      2.4.42-1.amzn2023                     amazonlinux                               14 k
httpd-tools                           x86_64      2.4.42-1.amzn2023                     amazonlinux                               81 k
libbrotli                             x86_64      1.0.9-4.amzn2023.0.2                  amazonlinux                               315 k
I-0cf3f876872162101 (website-hosting)
PublicIP: 13.57.37.82 PrivateIP: 172.31.1.2
Classified Feedback
© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
```

Step 6: Start and enable http server Download some free template and download it from curl –O



```
Completed!
[root@ip-172-31-1-2 ~]# systemctl start httpd
[root@ip-172-31-1-2 ~]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-1-2 ~]# curl -O https://www.free-css.com/assets/files/free-css-templates/download/page279/icream.zip
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 1050k  100 1050k    0     0  564k      0  0:00:01  0:00:01 --:--:--  564k
[root@ip-172-31-1-2 ~]# ls
icream.zip
[root@ip-172-31-1-2 ~]# unzip icream.zip
Archive:  icream.zip
  inflating: ice-cream-shop-website-template/about.html
  inflating: ice-cream-shop-website-template/contact.html
  creating: ice-cream-shop-website-template/css/
  inflating: ice-cream-shop-website-template/css/style.css
  inflating: ice-cream-shop-website-template/css/style.min.css
  inflating: ice-cream-shop-website-template/gallery.html
  inflating: ice-cream-shop-website-template/ice-cream-shop-website-template.jpg
  creating: ice-cream-shop-website-template/img/
  inflating: ice-cream-shop-website-template/img/about.jpg
  inflating: ice-cream-shop-website-template/img/carousel-1.jpg
  inflating: ice-cream-shop-website-template/img/carousel-2.jpg
  inflating: ice-cream-shop-website-template/img/header.jpg
  inflating: ice-cream-shop-website-template/img/portfolio-1.jpg
  inflating: ice-cream-shop-website-template/img/portfolio-2.jpg
I-0cf3f876872162101 (website-hosting)
PublicIP: 13.57.37.82 PrivateIP: 172.31.1.2
Classified Feedback
© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
```

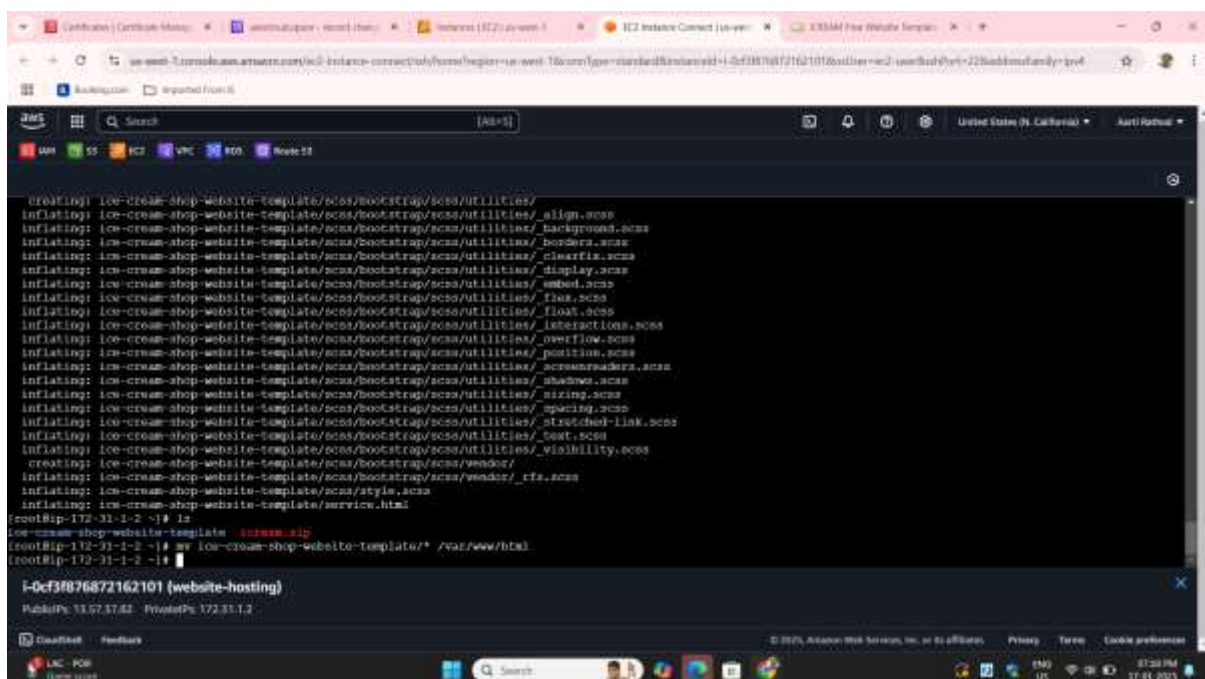
Step 7: Unzip the downloaded zip file and check with ls



The screenshot shows a terminal window with a dark background. The terminal output displays the process of inflating files for a website template. The files listed include various CSS and JavaScript files under the path `ice-cream-shop-website-template/scss/bootstrap/scss/`. After the inflation process, the user runs the command `ls` in the directory `/root@ip-172-31-1-2 ~`. The output of the `ls` command shows the directory `ice-cream-shop-website-template` and a file named `ice-cream.zip`. Below the terminal output, there is a small window titled "I-0cf3f876872162101 (website-hosting)" showing the public IP address `172.31.1.2` and the private IP address `172.31.1.2`.

```
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_visibility.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_align.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_background.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_borders.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_clearfix.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_display.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_embed.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_flex.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_float.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_interactions.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_overflow.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_position.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_screenreaders.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_shadows.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_sizing.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_spacing.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_stretched-link.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_text.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_visibility.scss
creating: ice-cream-shop-website-template/scss/bootstrap/scss/vendor/
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/vendor/_rfs.scss
inflating: ice-cream-shop-website-template/scss/style.scss
inflating: ice-cream-shop-website-template/service.html
root@ip-172-31-1-2 ~# ls
ice-cream-shop-website-template  ice-cream.zip
root@ip-172-31-1-2 ~#
```

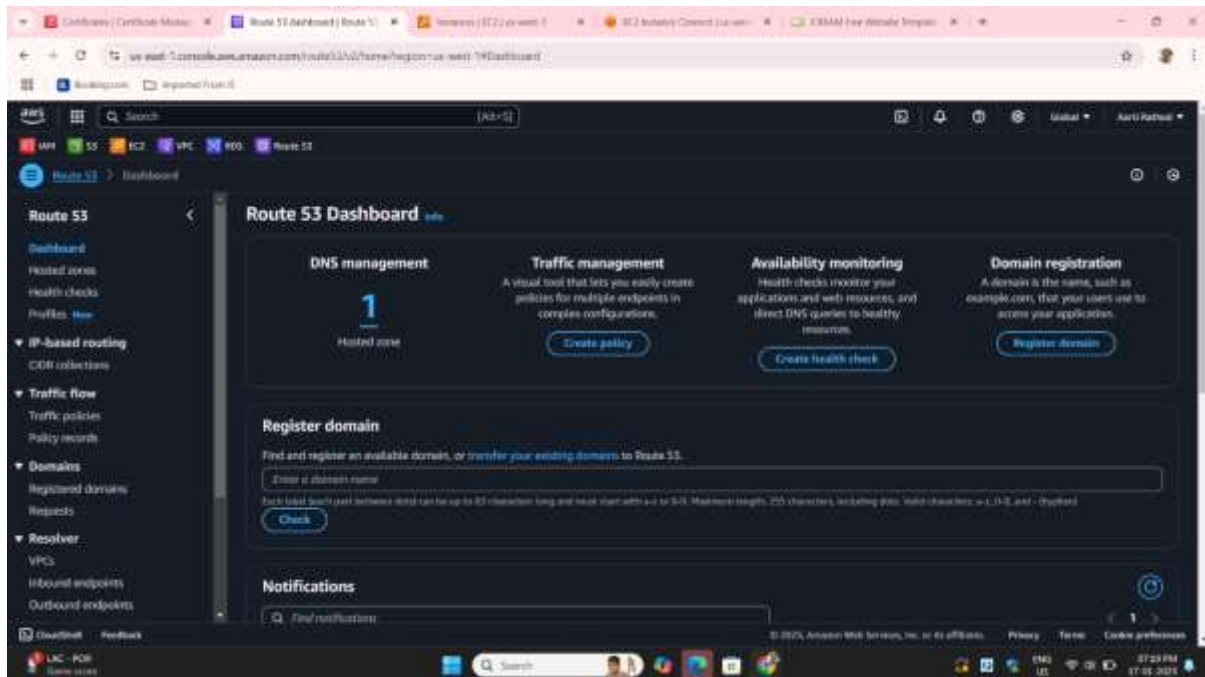
Step 7 : move your website files to /var/www/html/



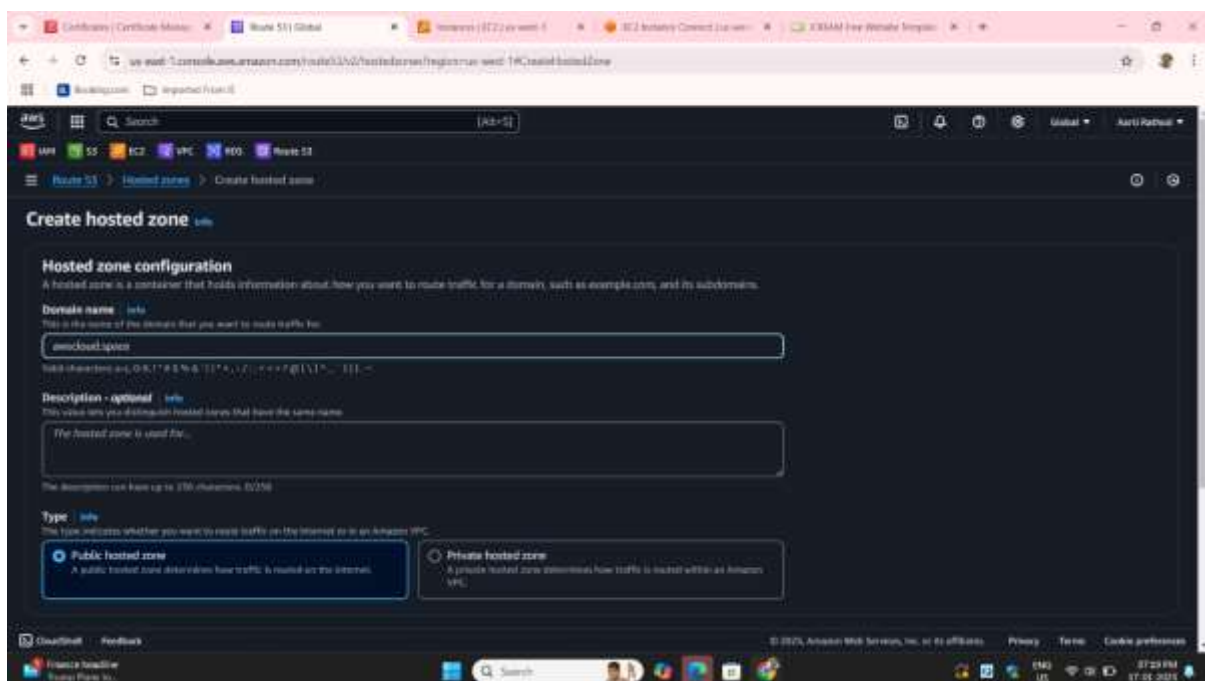
The screenshot shows a terminal window with a dark background. The terminal output displays the process of inflating files for a website template. The files listed include various CSS and JavaScript files under the path `ice-cream-shop-website-template/scss/bootstrap/scss/`. After the inflation process, the user runs the command `mv ice-cream-shop-website-template/* /var/www/html`. The output of the `mv` command shows the directory `ice-cream-shop-website-template` and a file named `ice-cream.zip`. Below the terminal output, there is a small window titled "I-0cf3f876872162101 (website-hosting)" showing the public IP address `172.31.1.2` and the private IP address `172.31.1.2`.

```
creating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_align.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_background.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_borders.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_clearfix.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_display.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_embed.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_flex.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_float.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_interactions.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_overflow.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_position.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_screenreaders.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_shadows.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_sizing.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_spacing.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_stretched-link.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_text.scss
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/utilities/_visibility.scss
creating: ice-cream-shop-website-template/scss/bootstrap/scss/vendor/
inflating: ice-cream-shop-website-template/scss/bootstrap/scss/vendor/_rfs.scss
inflating: ice-cream-shop-website-template/scss/style.scss
inflating: ice-cream-shop-website-template/service.html
root@ip-172-31-1-2 ~# mv ice-cream-shop-website-template/* /var/www/html
root@ip-172-31-1-2 ~#
```

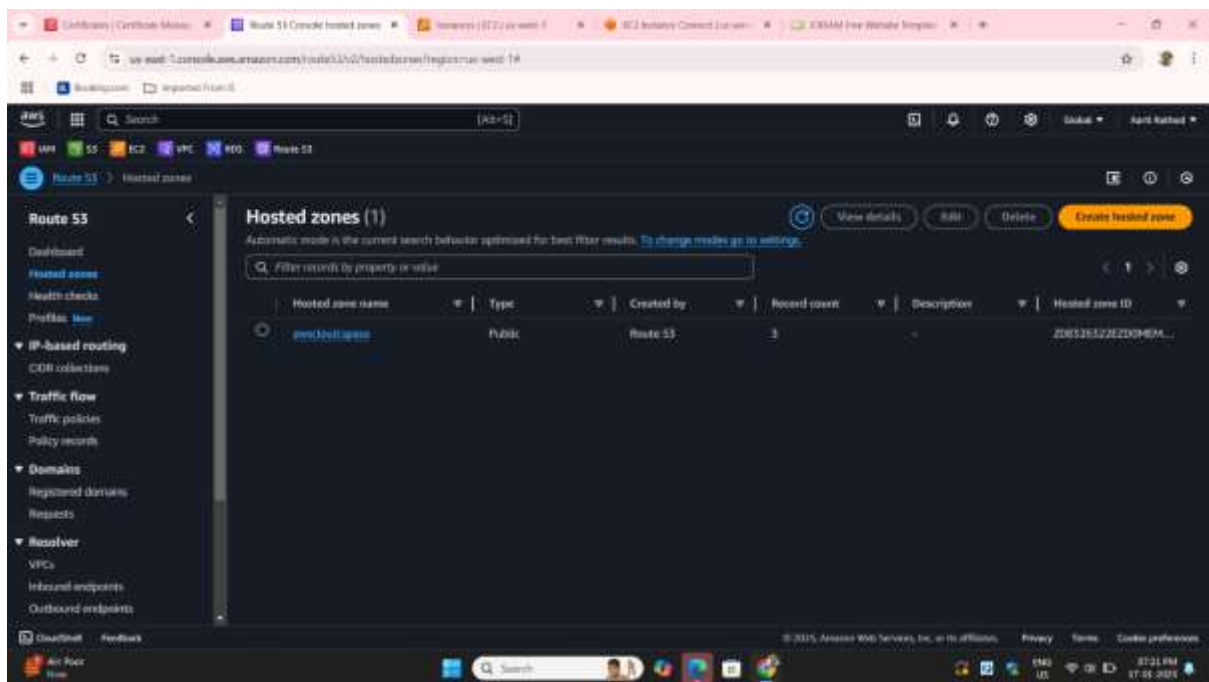

Step 8: Configure Route 53 Create a hosted zone in Route 53 for your domain



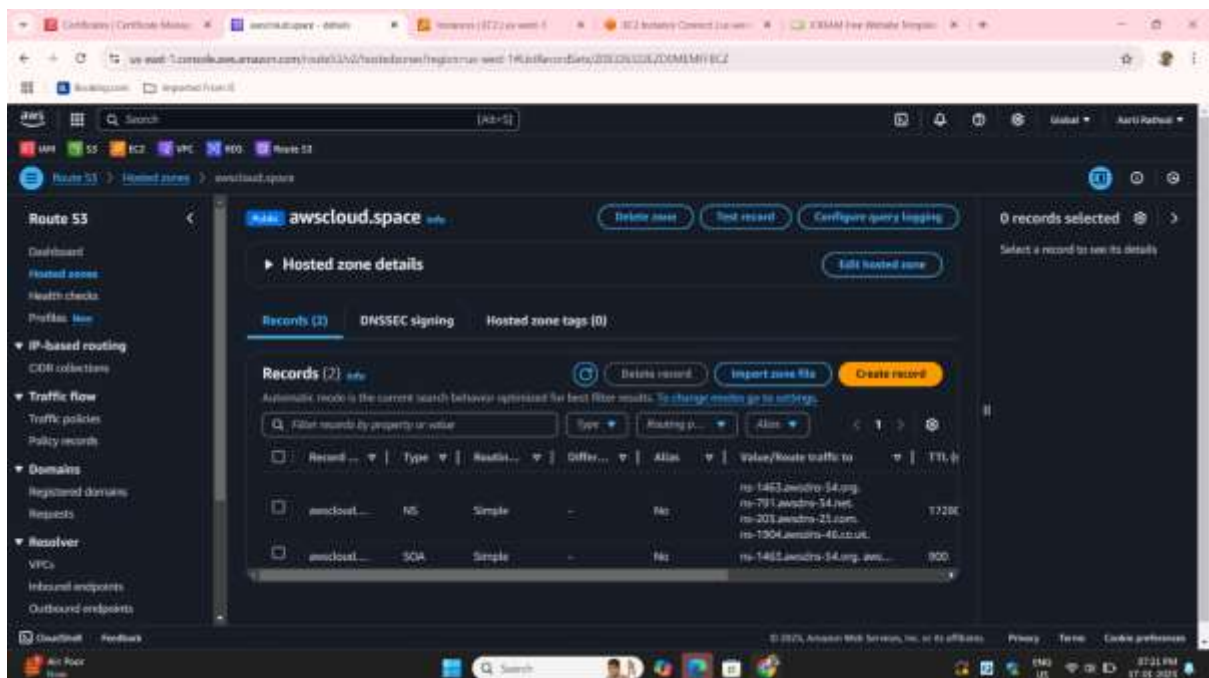
Step 9: Give a domain name which you purchase select public hosted zone and leave other setting by default and click on create hosted zone



Step 9: Here your hosted zone is created



Step 10: Here you can see by default two records is created NS(Name server) and SOA (start of Authority) Click on create record



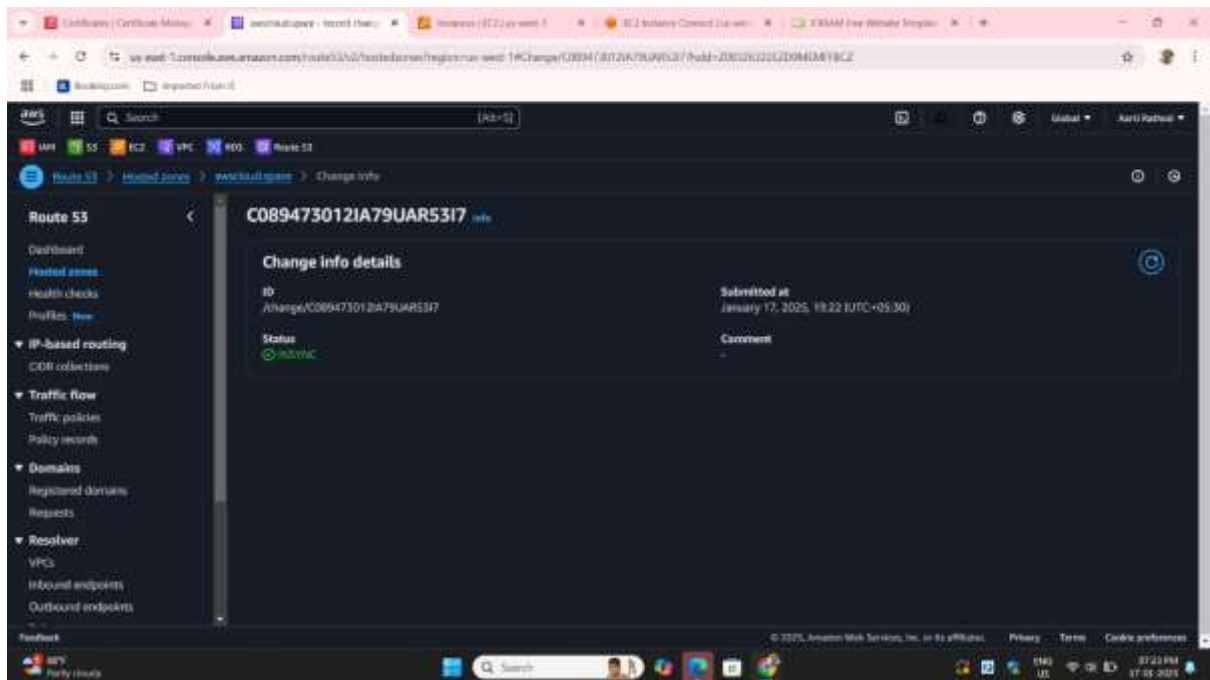
Step11 : Create new record type A in value put you instance ip

The screenshot shows the AWS Route 53 console's 'Create record' wizard. The 'Record name' field contains 'subdomain' and the 'Record type' is set to 'A'. The 'Value' field contains the IP address '13.57.37.62'. The 'TTL (seconds)' is set to '300' and the 'Routing policy' is 'Simple routing'. The 'Switch to wizard' button is visible in the top right corner.

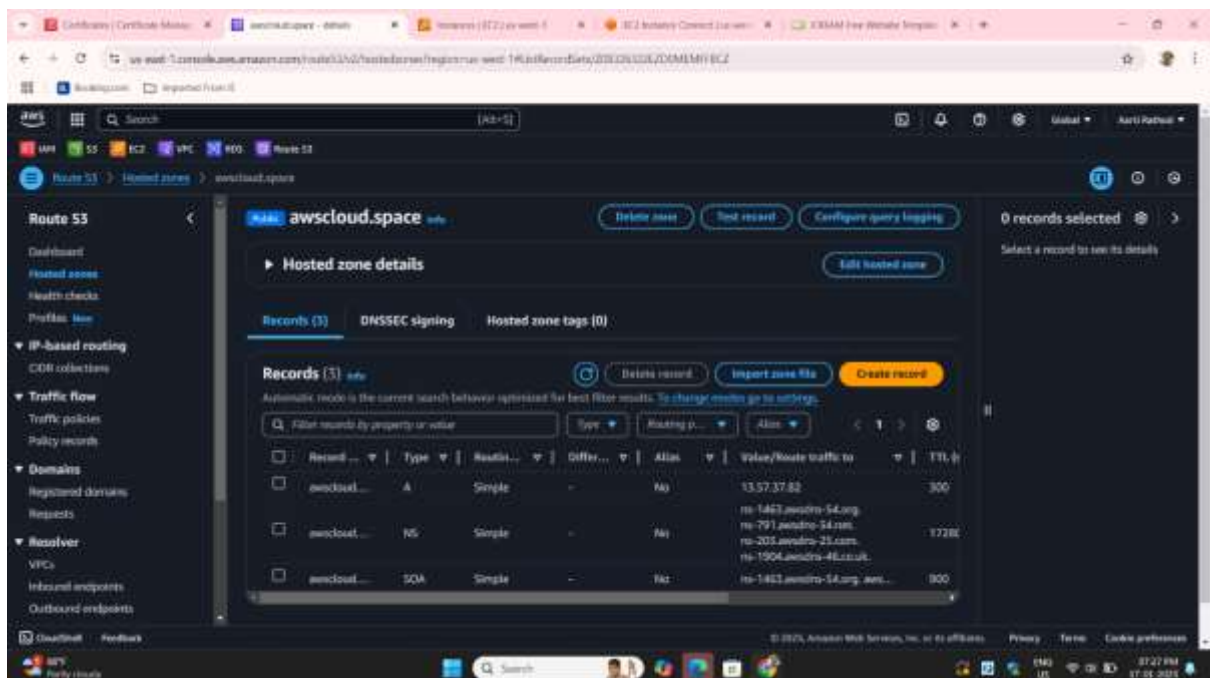
Step 13 : leave other setting by default and click on create record.

The screenshot shows the AWS Route 53 console's 'Create record' wizard. The 'Record name' field contains 'subdomain', the 'Record type' is 'A', and the 'Value' field contains '13.57.37.62'. The 'TTL (seconds)' is set to '300' and the 'Routing policy' is 'Simple routing'. The 'Add another record' button is visible at the bottom right. The 'Create records' button is also visible at the bottom right.

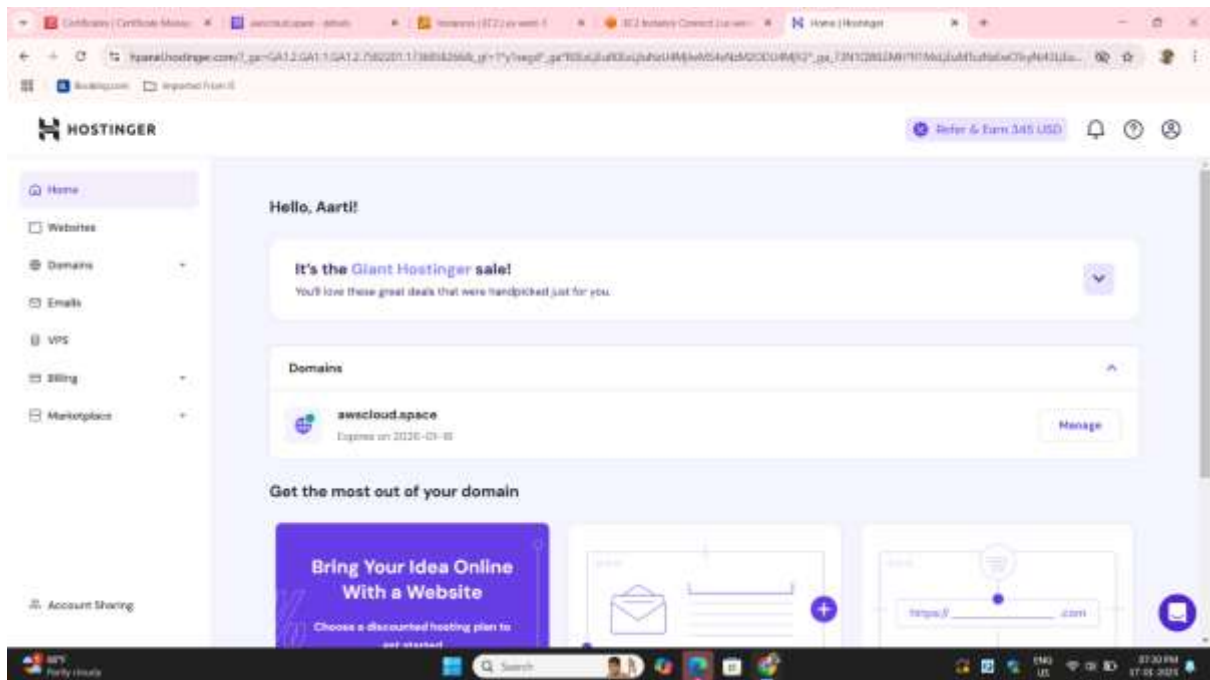
Step 14 : Check the status of your record if its INSYNC then goto the next



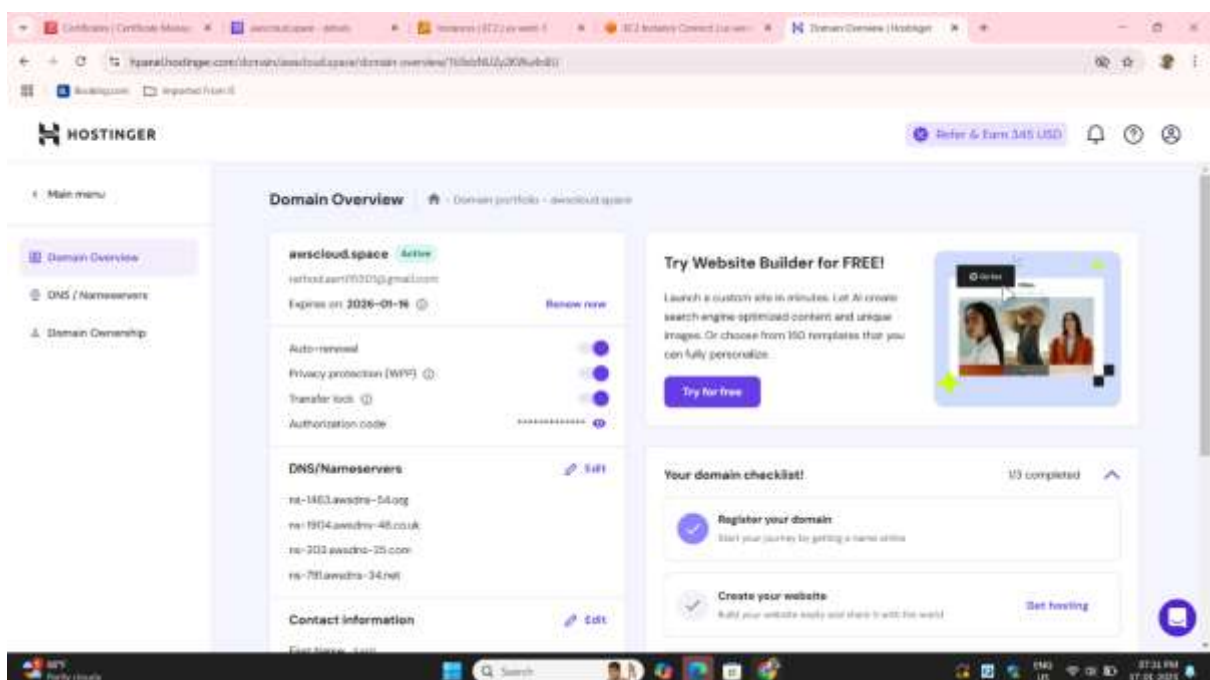
Step 15: Here in your name server there is 4 value you have to paste that value in hostinger



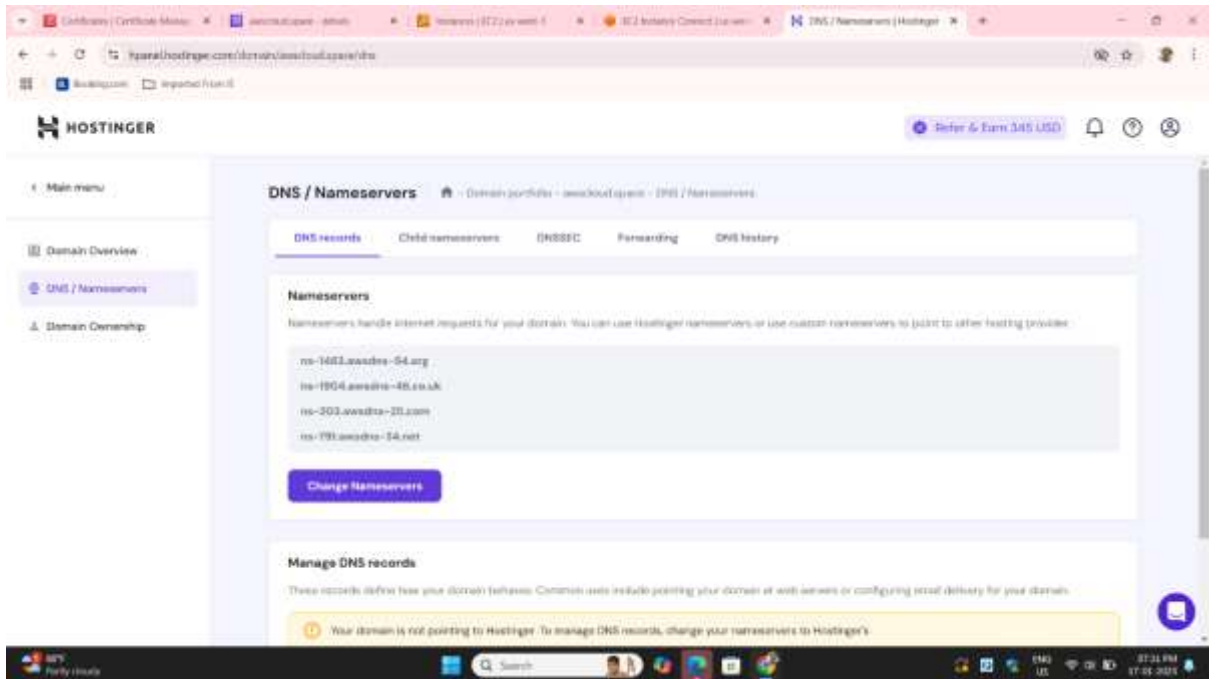
Step 17 : Go to hostinger goto manage



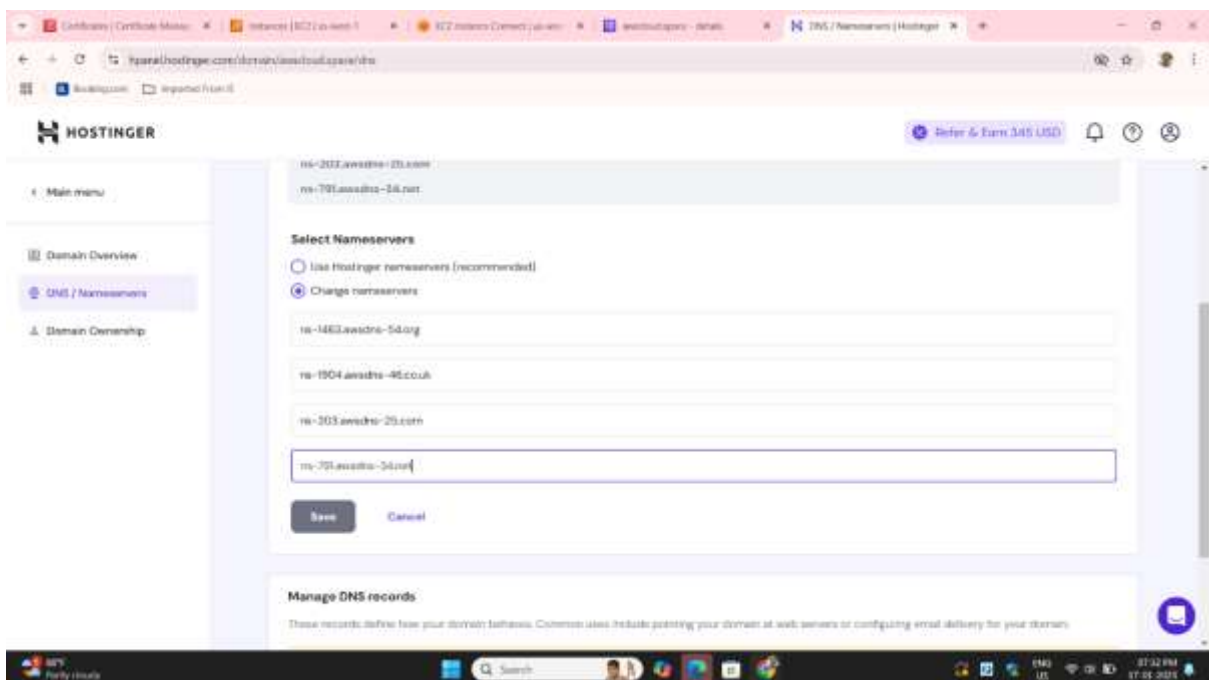
Step 20: Edit DNS/Nameservers



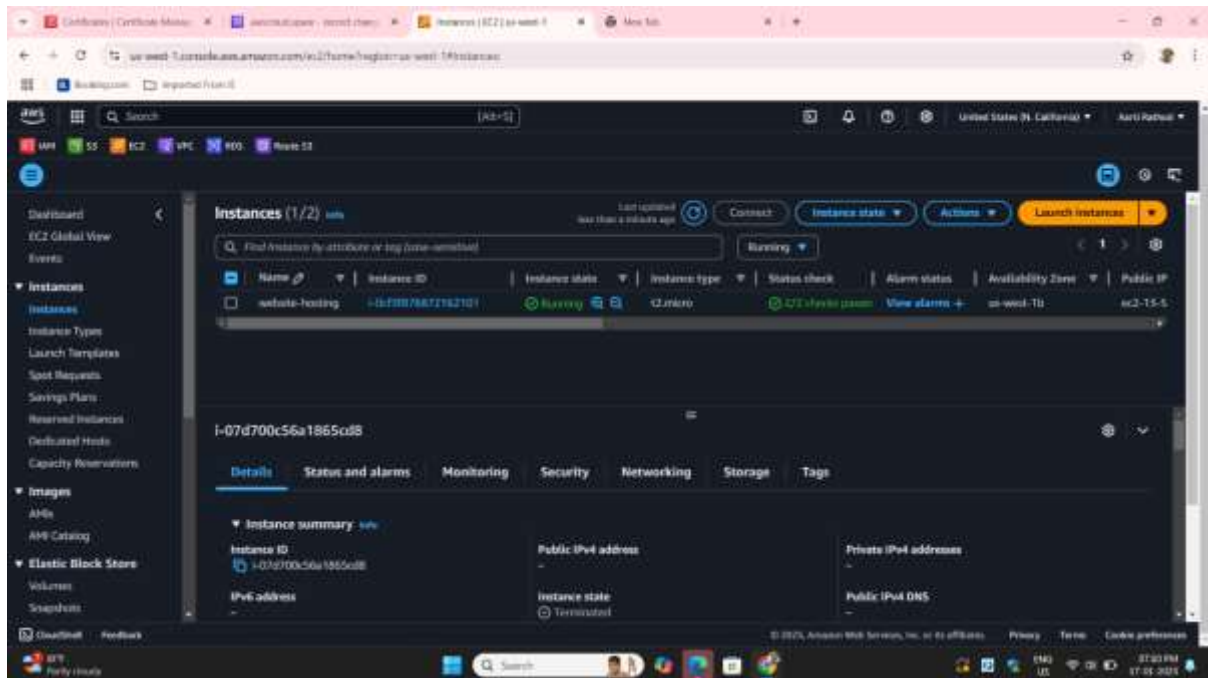
Step 21 : Click on Change Nameservers



Step 21 : Select change Nameservers Put that NS Values here One by one and click on save



Step 22 : Goto instance copy public ip



Step 23 : Write your Domain name you will see the website

