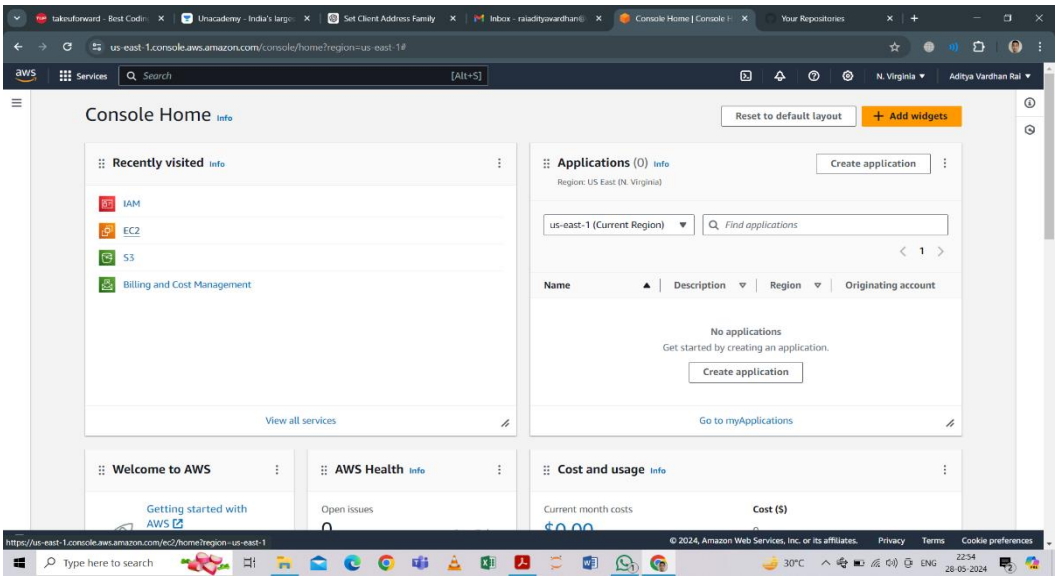
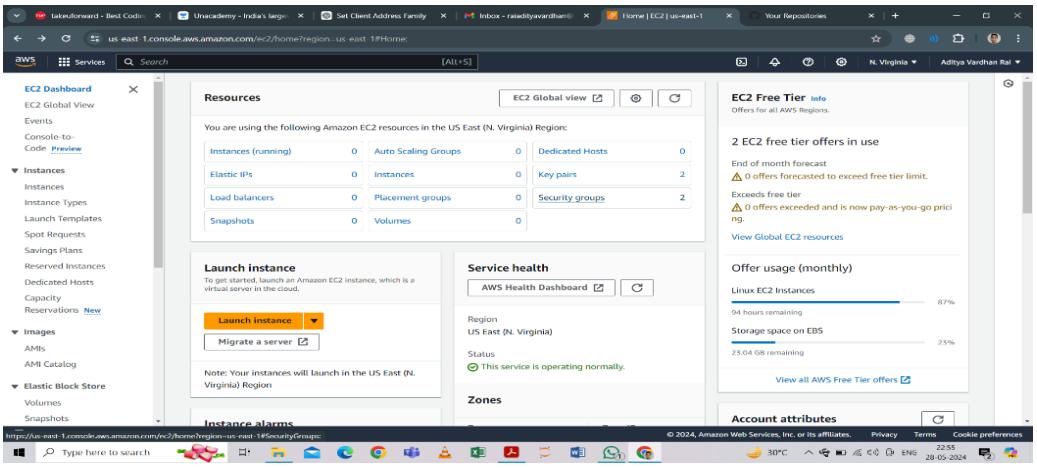
ASSIGNMENT-12

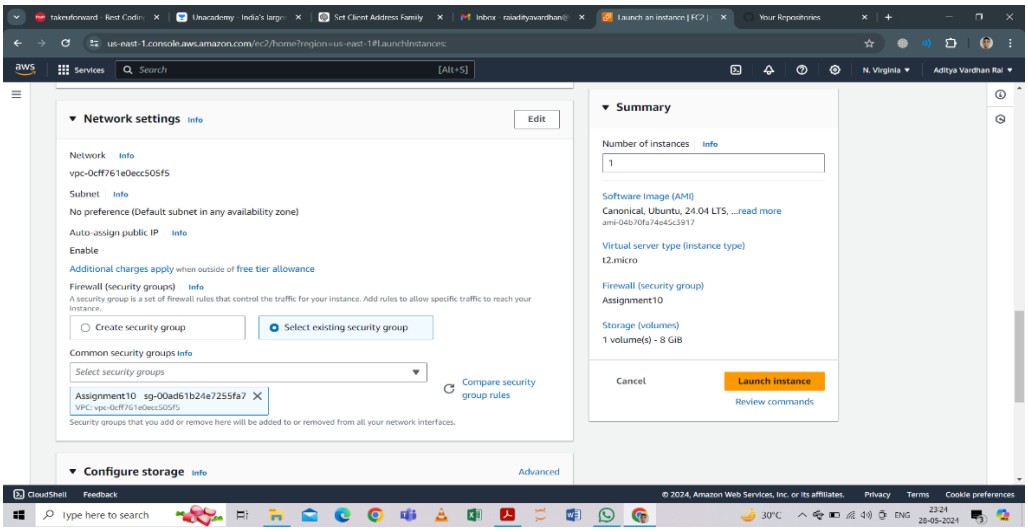
PROBLEM STATEMENT : **Deploy and run the project in AWS without using the port**

1. Go to the EC2 Dashboard.

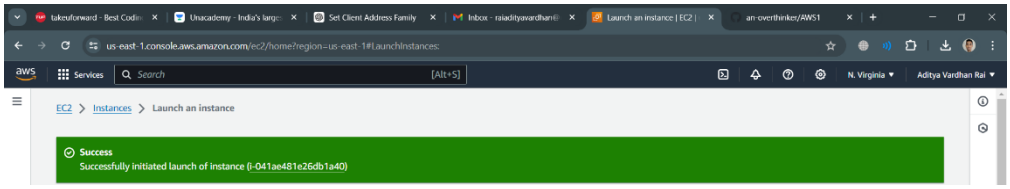


2. Click on Launch instance.

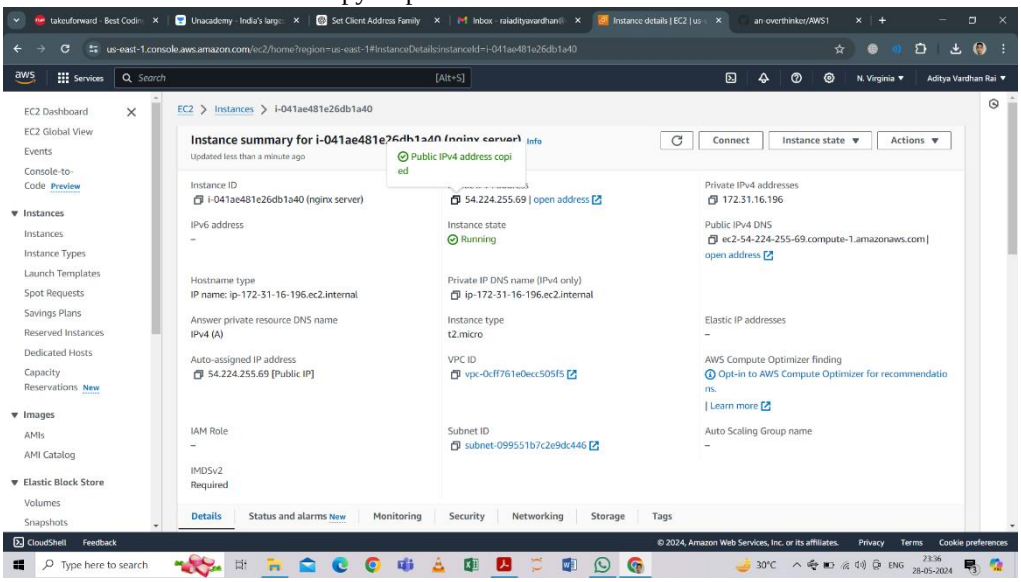




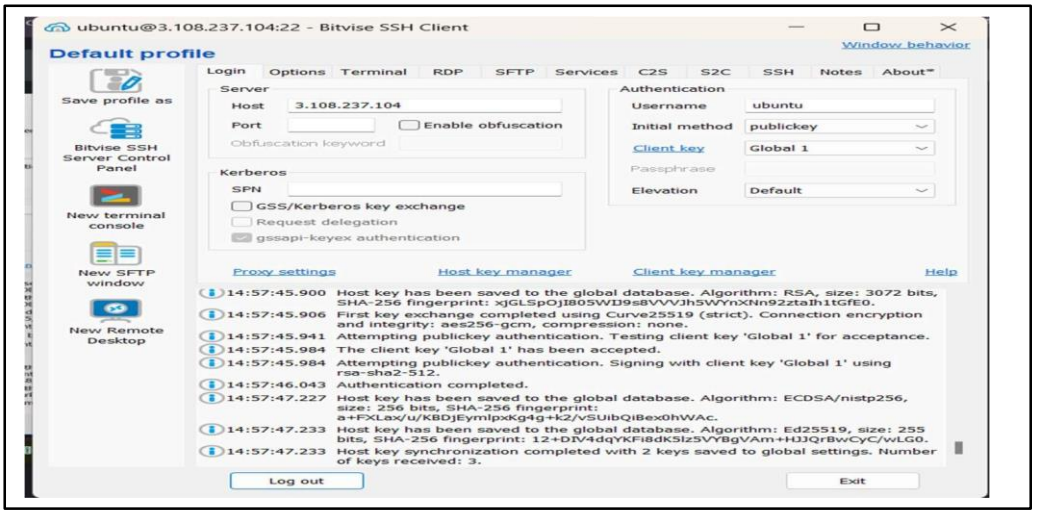
3. Instance is created successfully.



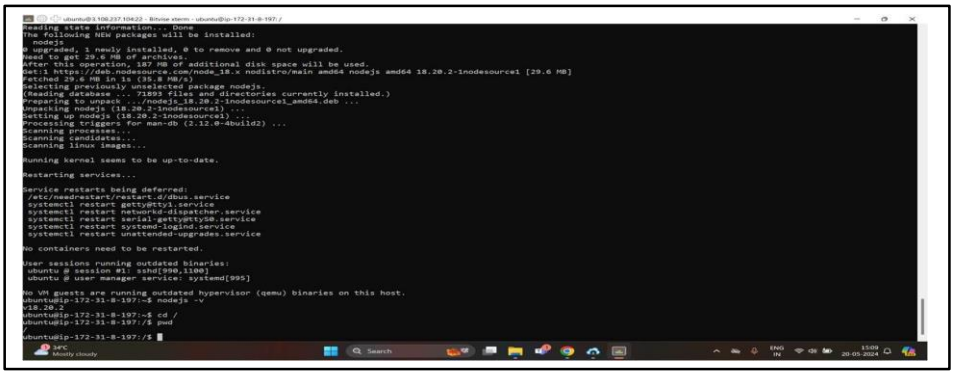
4. Click on the instance ID and copy its public IPv4 address.



5. Paste into Bitvise SSH Client and Login.



6. Type the following commands in New STFP Terminal:
   sudo apt-get update
   sudo apt-get upgrade
   sudo apt-get install nginx
   nginx -v
   curl -SL https://deb.nodesource.com/setup_18.x|sudo -E bash-
   sudo apt install nodejs
   nodejs -v
   pwd

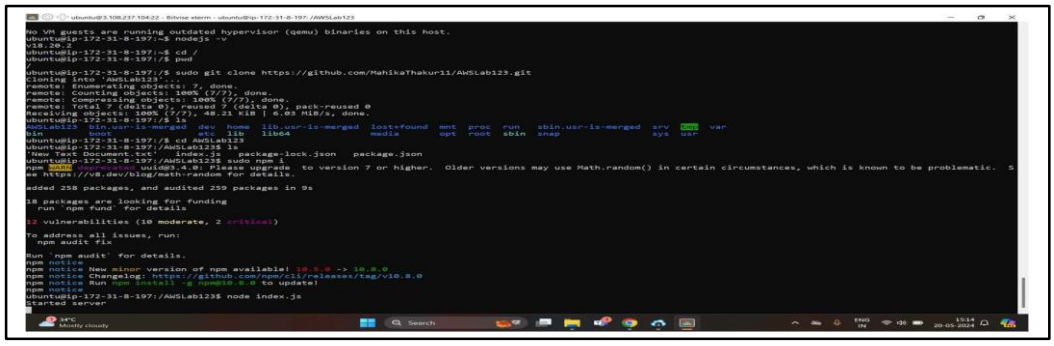


7. Type: git clone http://github.com/sudip7407/Repo1.git

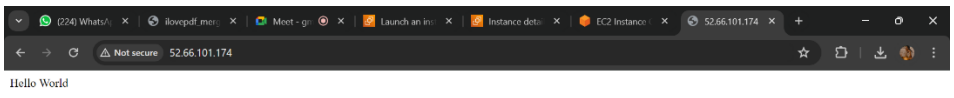
   cd Repo1

   npm install

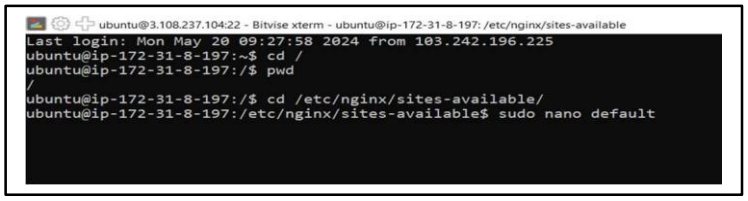
   node index.js



8. Now we copy public IPv4 address and paste it in browser. Nginx window opens – then we set port 4000 after : in that address



9. Open another terminal. Type the following commands:
   Cd /
   pwd
   cd /etc/nginx/site-available/
   sudo nano default

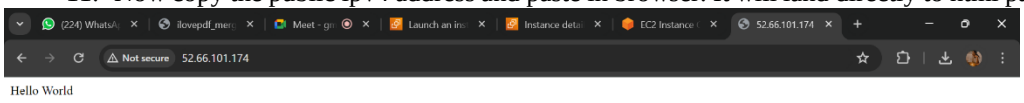


10. Now in the nano editor go to location and paste the following code:

```
location /  {
        proxy_pass http://localhost:4000;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
```

Now back to bash shell
Type: sudo systemctl restart nginx
Then type: node index.js

11. Now copy the public ipv4 address and paste in browser. It will land directly to html page.



Hello World