

Task 2

Objective: EC2 Static Website HostingTask

Steps Performed:

1. EC2 Instance Setup:

- Launched a **Free Tier EC2 instance** (Amazon Linux 2023) in a public subnet.
- Created a **key pair** for SSH access.
- Configured **security group** to allow HTTP (80), HTTPS (443), and SSH (22) access.

2. Nginx Installation & Configuration:

- Installed Nginx using: `sudo dnf install nginx -y`.
- Enabled and started the Nginx service.
- Confirmed Nginx was running on port 80.

3. Static Website Deployment:

- Prepared a **resume website** (index.html, style.css, profile.jpg).
- Uploaded the website files to EC2 using `scp`.
- Moved files to `/usr/share/nginx/html/` and set proper permissions.
- Restarted Nginx to serve the site.

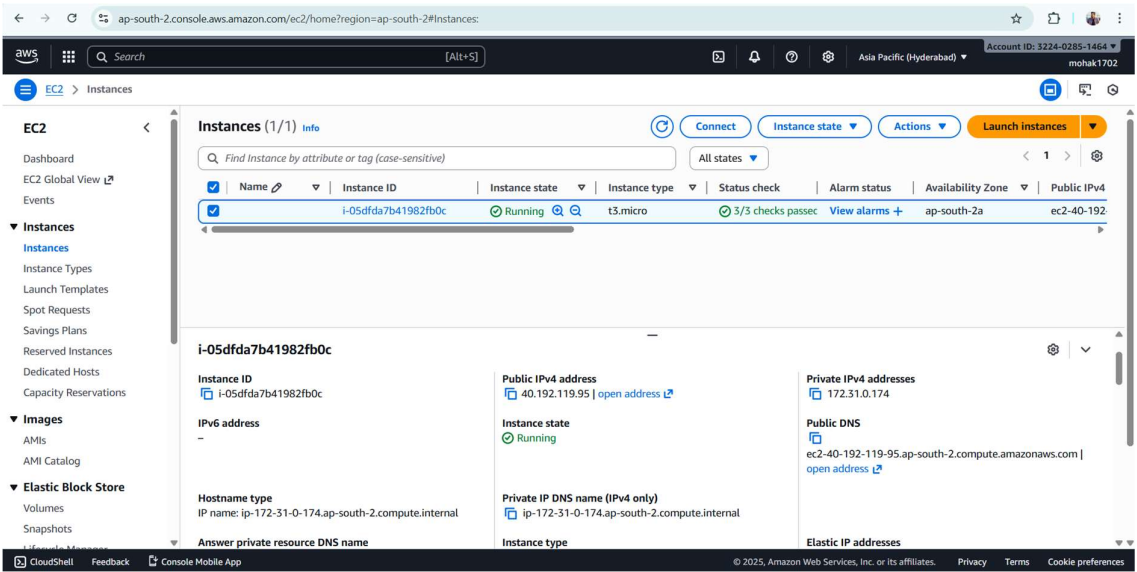
4. Hardening & Best Practices:

- Restricted SSH access to specific IP addresses (where possible).
- Applied OS updates using `sudo dnf update -y`.
- Ensured file permissions followed the least-privilege principle.

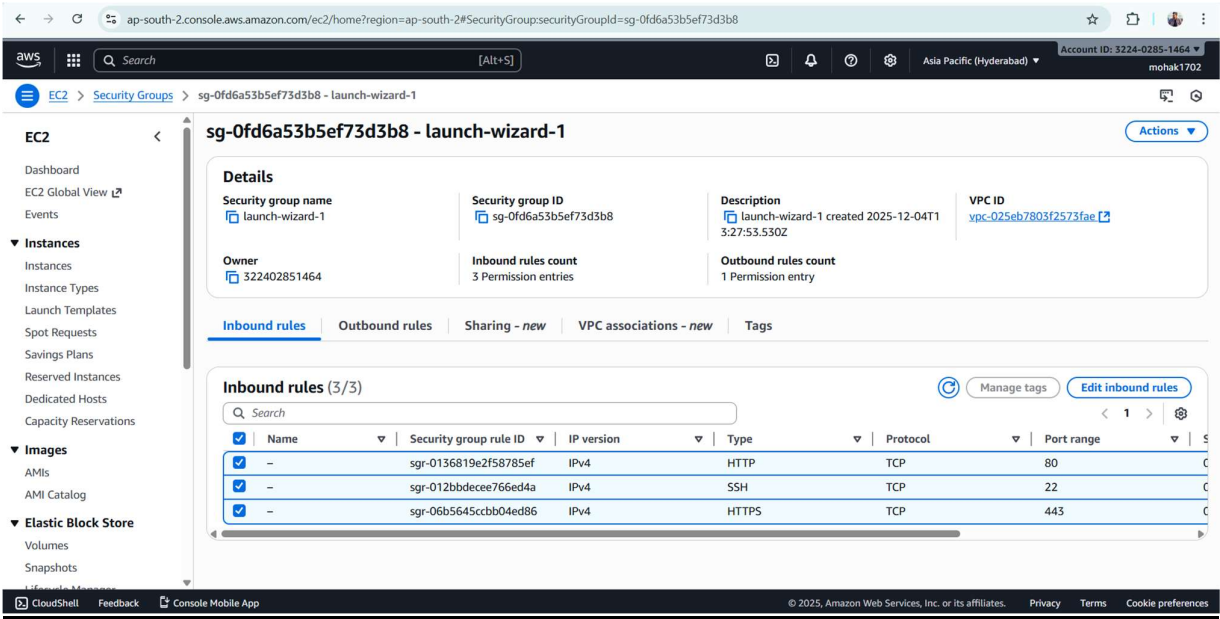
Outcome:

- The resume website is successfully hosted and accessible via the public IP:
<http://40.192.119.95/>
- Nginx is serving the static site reliably.

EC2 Instance



Security Group screenshot



Browser screenshot of the resume website

