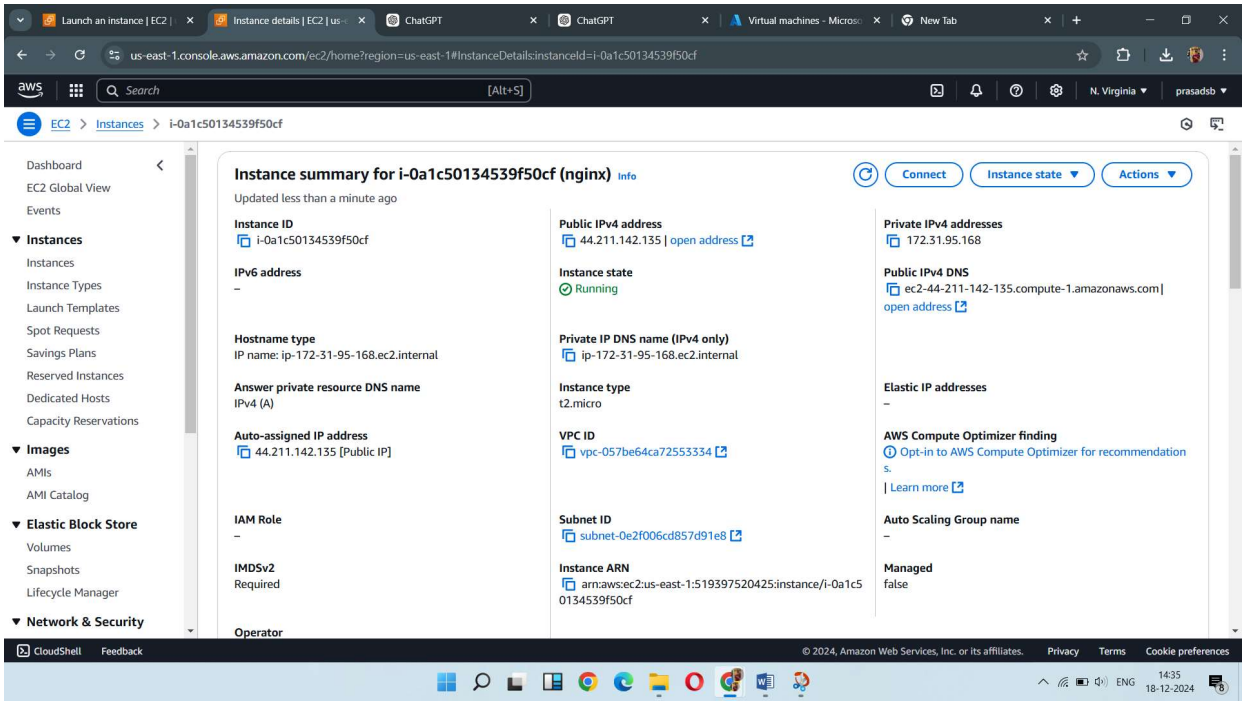
Nginx Reverse proxy

Tasks :

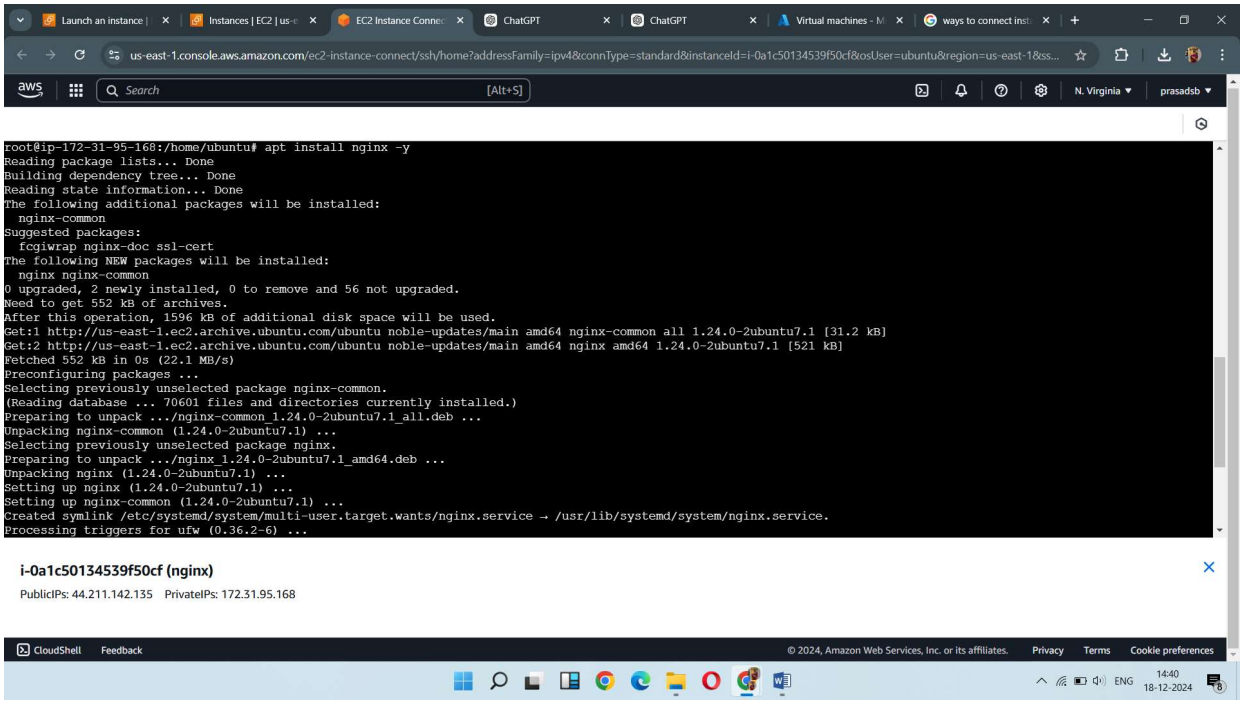
Configure a Linux VM with the following:

- ➢ Nginx as a reverse proxy.
- ➢ Firewall rules to allow only HTTP/HTTPS traffic.
- ➢ A custom 404 error page.

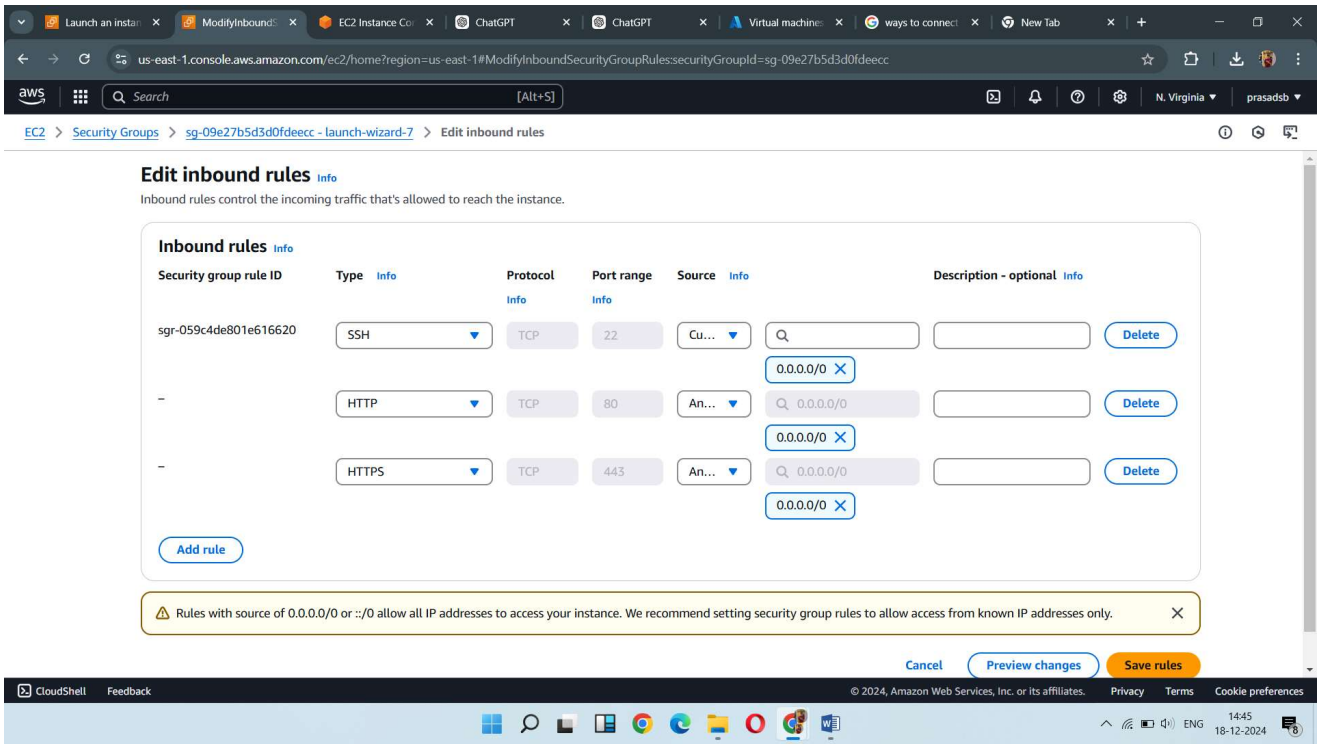
Launching the EC2 instances in Linux (Ubuntu)



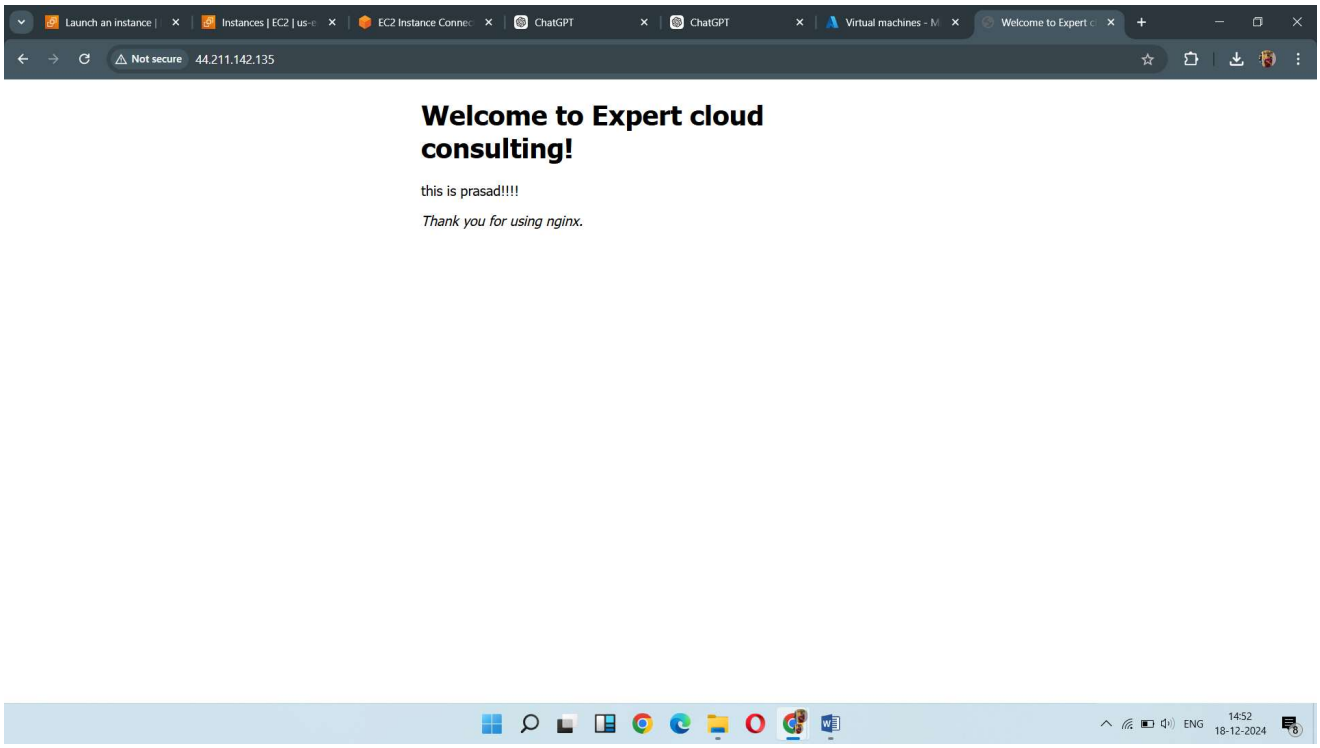
Installing Proxy server (Nginx)



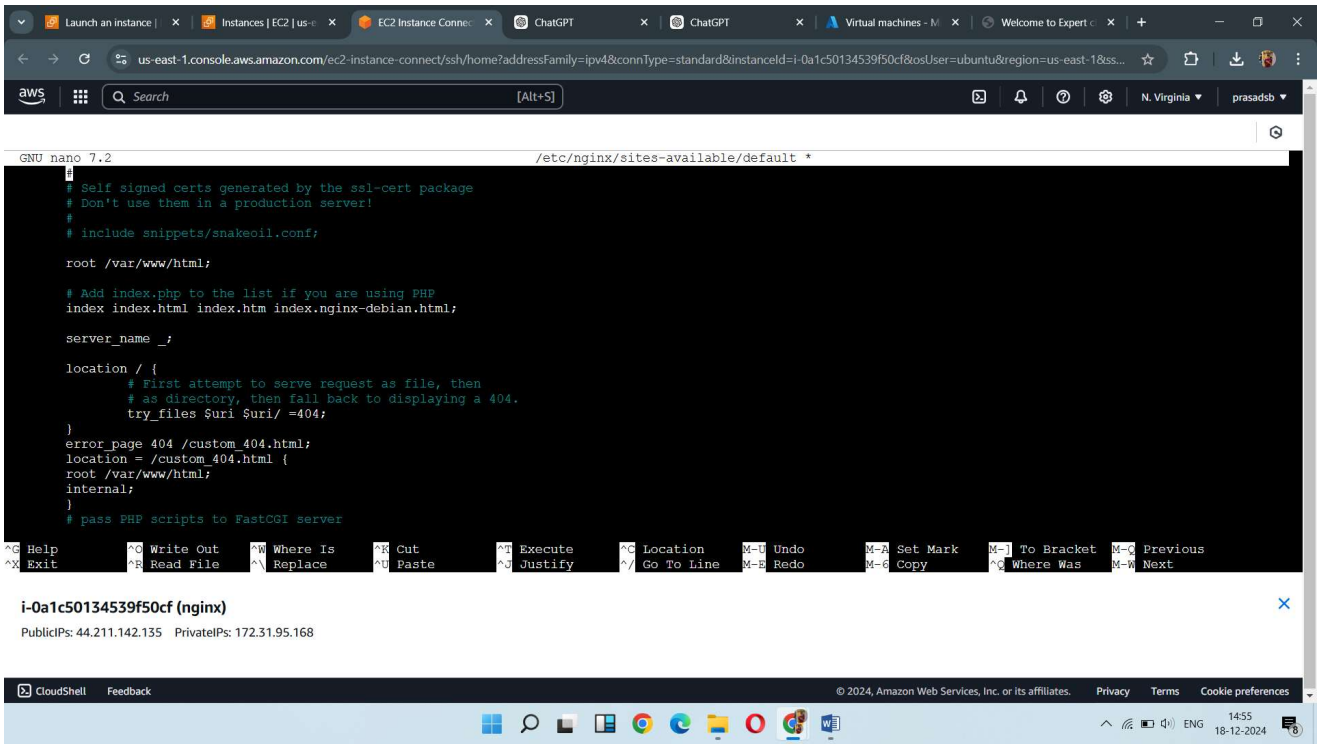
Added the Inbound rules for HTTP and HTTPS.



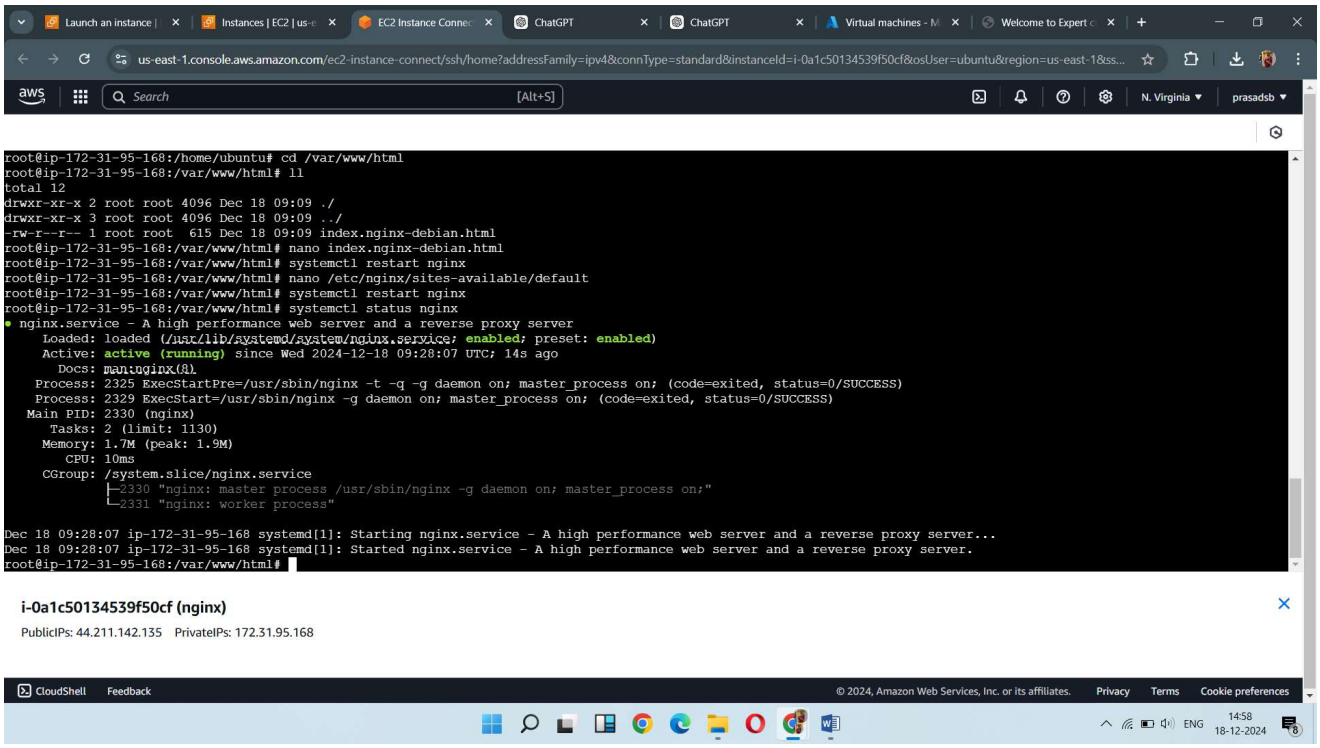
Nignx page is visible now



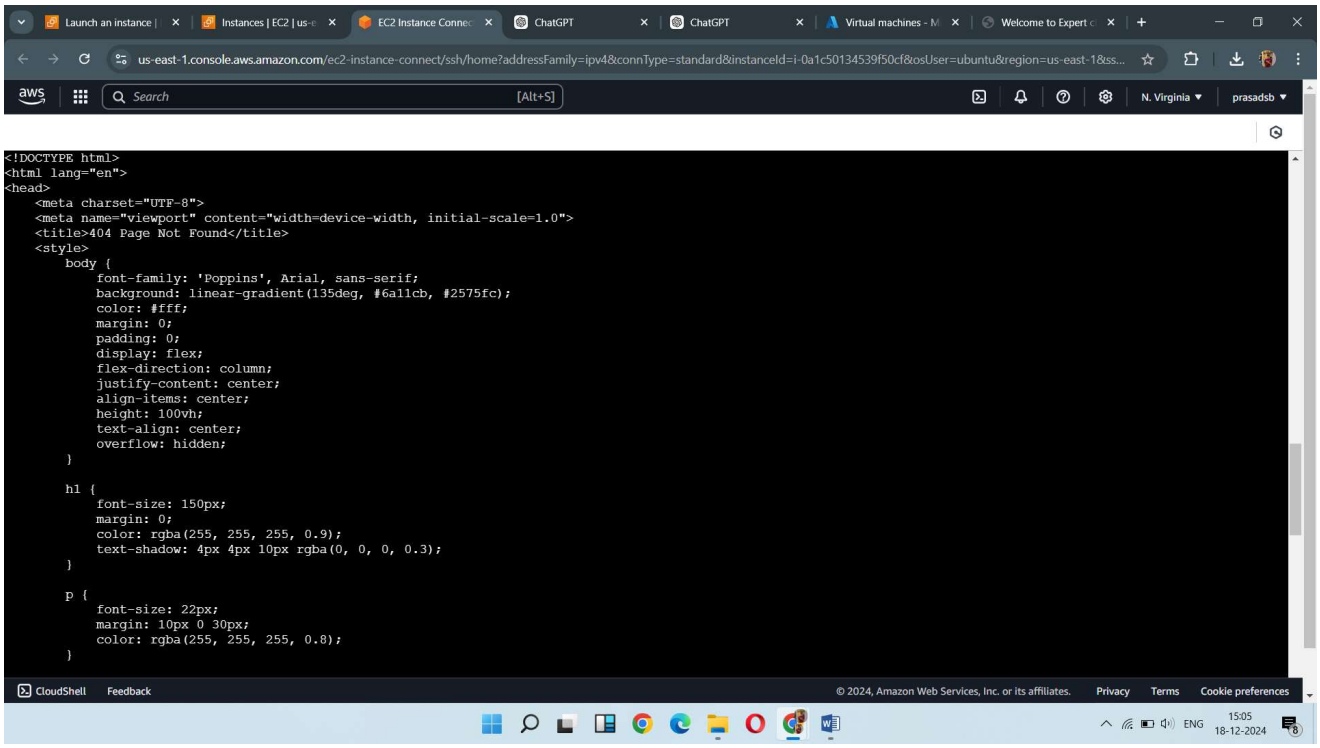
Added configuration for 404_Error page



Restart Nginx service



Added custom_404.html file and restart nginx.



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>404 Page Not Found</title>
    <style>
        body {
            font-family: 'Poppins', Arial, sans-serif;
            background: linear-gradient(135deg, #6a11cb, #2575fc);
            color: #fff;
            margin: 0;
            padding: 0;
            display: flex;
            flex-direction: column;
            justify-content: center;
            align-items: center;
            height: 100vh;
            text-align: center;
            overflow: hidden;
        }

        h1 {
            font-size: 150px;
            margin: 0;
            color: rgba(255, 255, 255, 0.9);
            text-shadow: 4px 4px 10px rgba(0, 0, 0, 0.3);
        }

        p {
            font-size: 22px;
            margin: 10px 0 30px;
            color: rgba(255, 255, 255, 0.8);
        }
```

Custom 404 error page