

TASK (CLOUD COMPUTING)

DESIGN AND DEPLOYING SIMPLE WEBSITE ON AWS CLOUD

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Internship period: July 2023

Submitted to: INTERNSNAVY INTERNSHIP

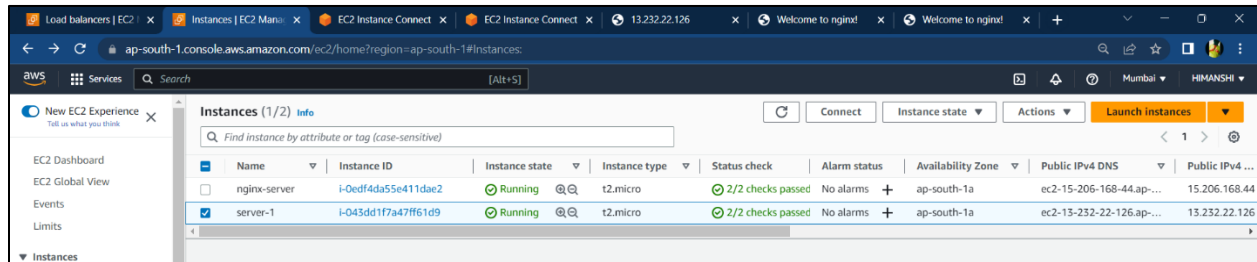
INTRODUCTION

The purpose of this project is to develop and deploy simple website on the Amazon Web Services (AWS) platform.

IMPLEMENTATION

Provision EC2 instances setting up the initial Nginx servers and install Nginx on each instance.

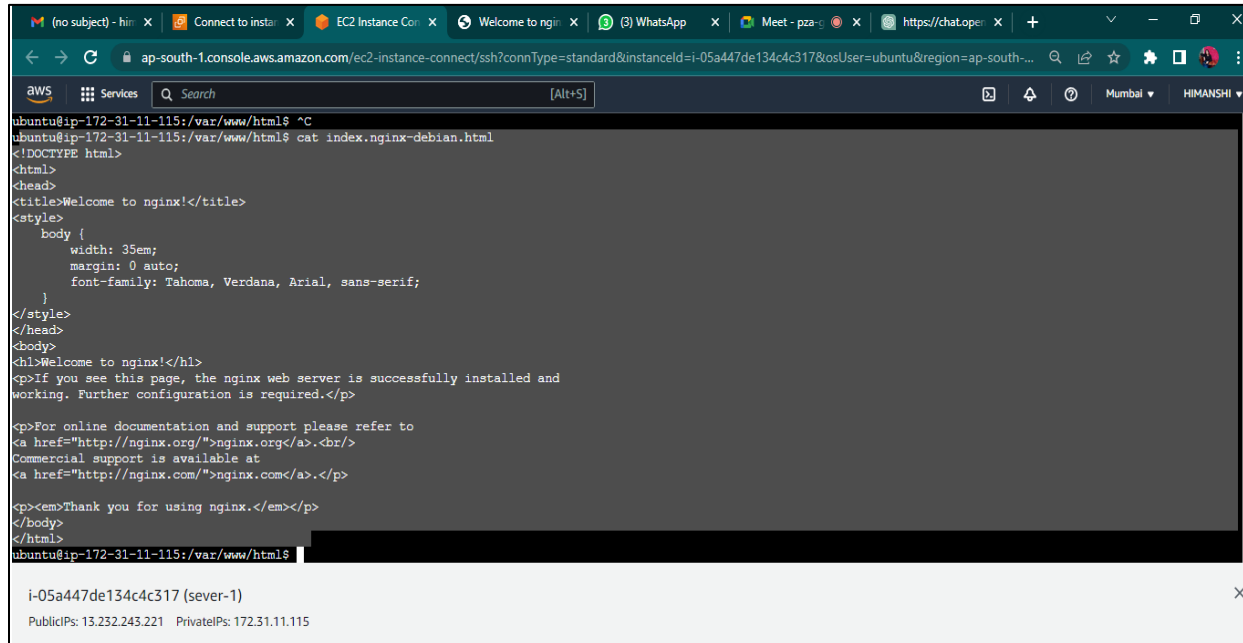
SERVICES INSTALLED



Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
nginx-server	i-0edf4da55e411dae2	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-15-206-168-44.ap-...	15.206.168.44
server-1	i-043dd1f7a47ff61d9	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-22-126.ap-...	13.232.22.126

Relevant code snippets or configuration files will include:

[Snippet: NGINX SERVER HTML file]

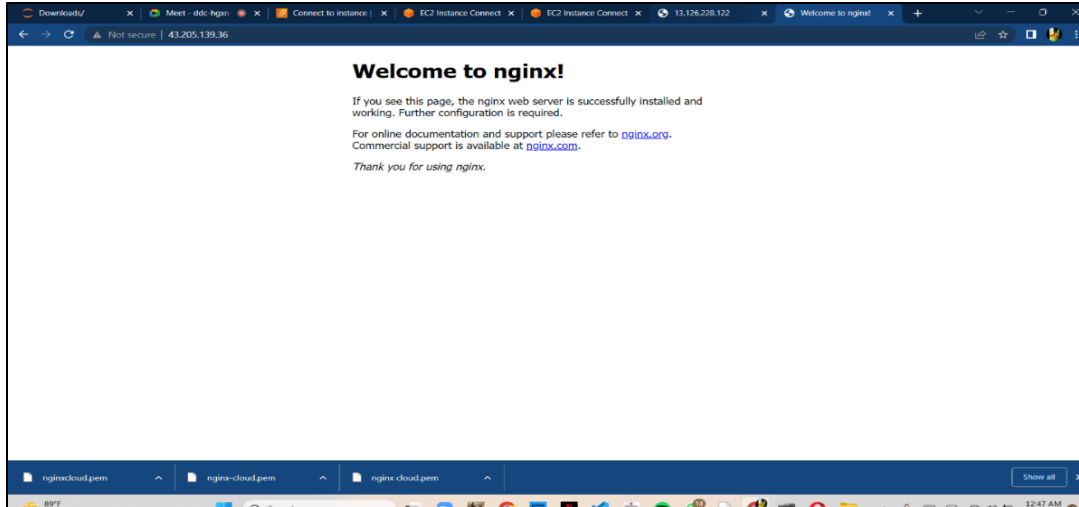


```
ubuntu@ip-172-31-11-115: /var/www/html$ cat index.nginx-debian.html
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
    }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

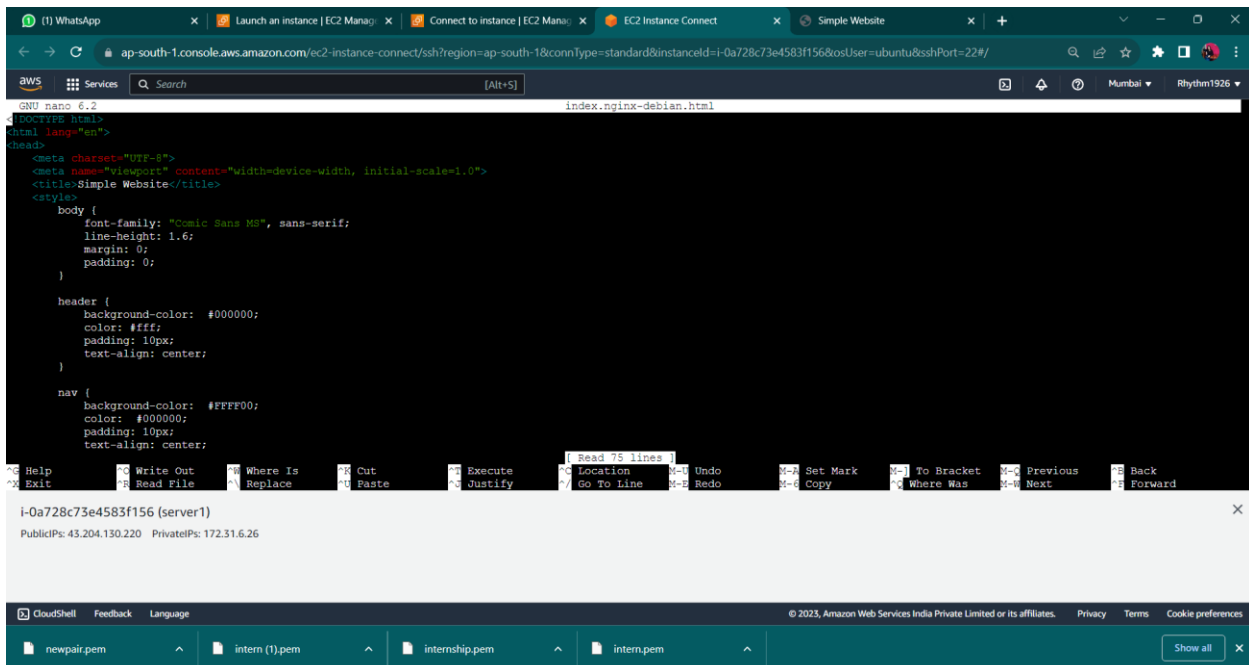
<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
ubuntu@ip-172-31-11-115: /var/www/html$
```

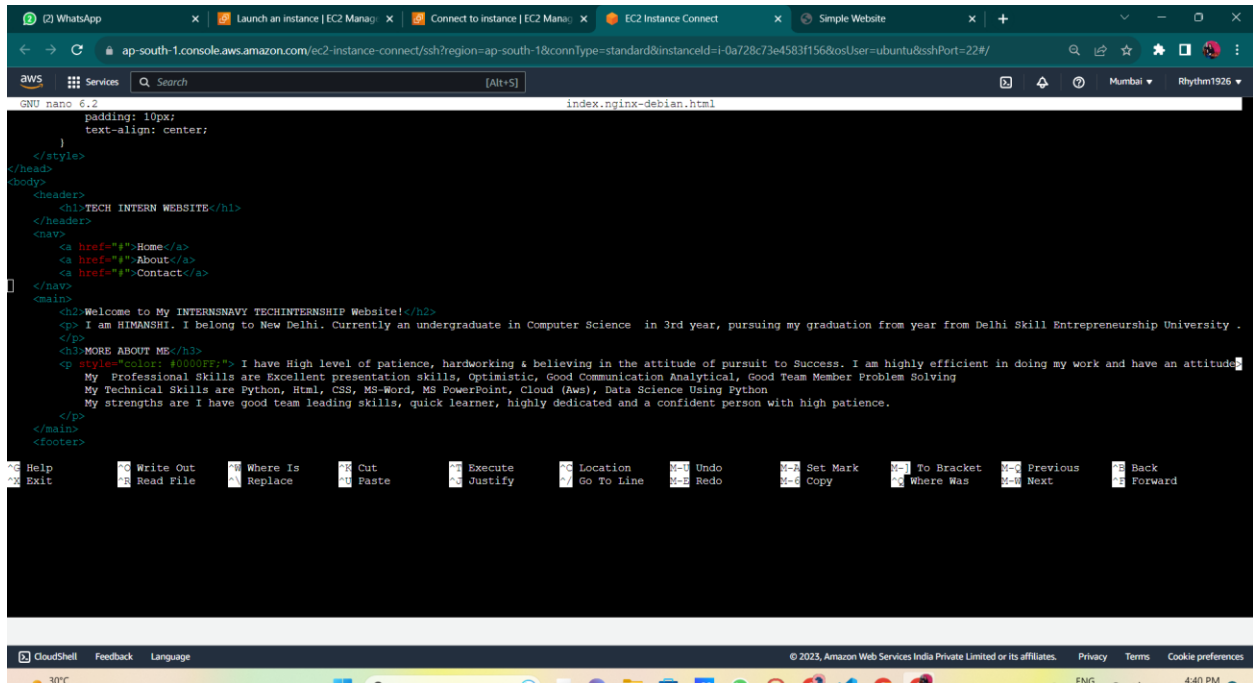
CLOUD PROJECT REPORT



[Snippet: SERVER 1 HTML file]

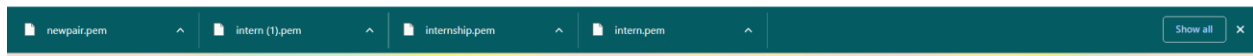
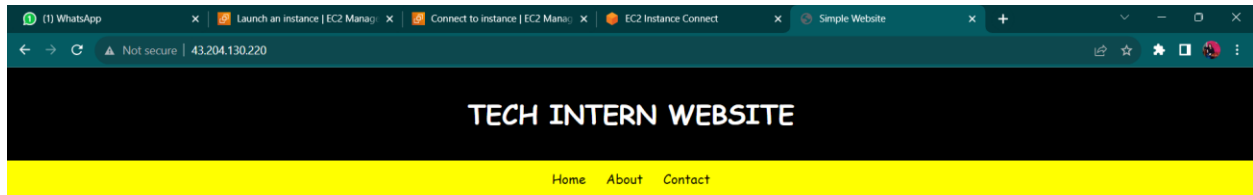


CLOUD PROJECT REPORT



The screenshot shows a web browser with multiple tabs. The active tab is 'ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-0a728c73e4583f156&osUser=ubuntu&sshPort=22#/'. The browser displays the AWS console interface. Below the browser, a terminal window is open, showing the GNU nano 6.2 editor editing the file 'index.nginx-debian.html'. The code in the terminal is an HTML file for a 'TECH INTERN WEBSITE'. It includes a header with the site name, a navigation bar with links to Home, About, and Contact, a main content area with a welcome message and a bio, and a footer. The terminal also shows a list of editor commands at the bottom.

```
GNU nano 6.2 index.nginx-debian.html
padding: 10px;
text-align: center;
}
</style>
</head>
<body>
  <header>
    <h1>TECH INTERN WEBSITE</h1>
  </header>
  <nav>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Contact</a>
  </nav>
  <main>
    <h2>Welcome to My INTERNSNAVY TECHINTERNSHIP Website!</h2>
    <p> I am HIMANSHI. I belong to New Delhi. Currently an undergraduate in Computer Science in 3rd year, pursuing my graduation from year from Delhi Skill Entrepreneurship University .</p>
    <h3>MORE ABOUT ME</h3>
    <p style="color: #0000FF;"> I have High level of patience, hardworking & believing in the attitude of pursuit to Success. I am highly efficient in doing my work and have an attitude of learning, which can help me in increasing my efficiency, capabilities & performance. My Professional Skills are Excellent presentation skills, Optimistic, Good Communication Analytical, Good Team Member Problem Solving My Technical Skills are Python, Html, CSS, MS-Word, MS PowerPoint, Cloud (Aws), Data Science Using Python. My strengths are I have good team leading skills, quick learner, highly dedicated and a confident person with high patience.</p>
  </main>
</body>
</html>
Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous Back
Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next Forward
```



HTML CODE OF WEBSITE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Website</title>
  <style>
    body {
      font-family: "Comic Sans MS", sans-serif;
      line-height: 1.6;
      margin: 0;
      padding: 0;
    }

    header {
      background-color: #000000;
      color: #fff;
      padding: 10px;
      text-align: center;
    }

    nav {
      background-color: #FFFF00;
      color: #000000;
      padding: 10px;
      text-align: center;
    }

    nav a {
      color: #000000;
      text-decoration: none;
      padding: 5px 10px;
    }

    nav a:hover {
      background-color: #555;
    }

    main {
      padding: 20px;
    }

    footer {
```

CLOUD PROJECT REPORT

```
        background-color: #333;
        color: #fff;
        padding: 10px;
        text-align: center;
    }
</style>
</head>
<body>
    <header>
        <h1>TECH INTERN WEBSITE</h1>
    </header>
    <nav>
        <a href="#">Home</a>
        <a href="#">About</a>
        <a href="#">Contact</a>
    </nav>
    <main>
        <h2>Welcome to My INTERNSNAVY TECHINTERNSHIP Website!</h2>
        <p> I am HIMANSHI. I belong to New Delhi. Currently an undergraduate in
Computer Science in 3rd year, pursuing my graduation from year from Delhi Skill
Entrepreneurship University .
        </p>
        <h3>MORE ABOUT ME</h3>
        <p style="color: #0000FF;"> I have High level of patience, hardworking &
believing in the attitude of pursuit to Success. I am highly efficient in doing
my work and have an attitude of learning, which can help me in increasing my
efficiency, capabilities & performance.
        My Professional Skills are Excellent presentation skills,
Optimistic, Good Communication Analytical, Good Team Member Problem Solving
        My Technical Skills are Python, Html, CSS, MS-Word, MS PowerPoint,
Cloud (Aws), Data Science Using Python
        My strengths are I have good team leading skills, quick learner,
highly dedicated and a confident person with high patience.
        </p>
    </main>
    <footer>
        <p>&copy; 2023 Simple Website. All rights reserved.</p>
    </footer>
</body>
</html>
```