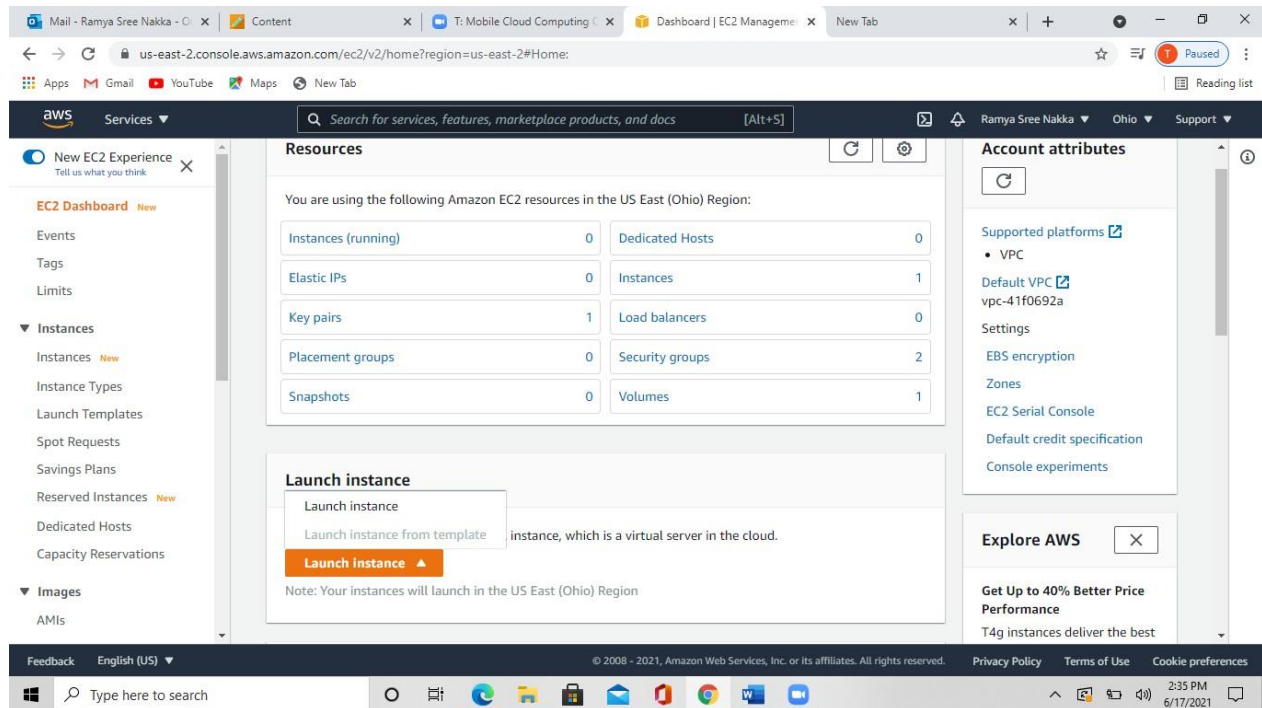
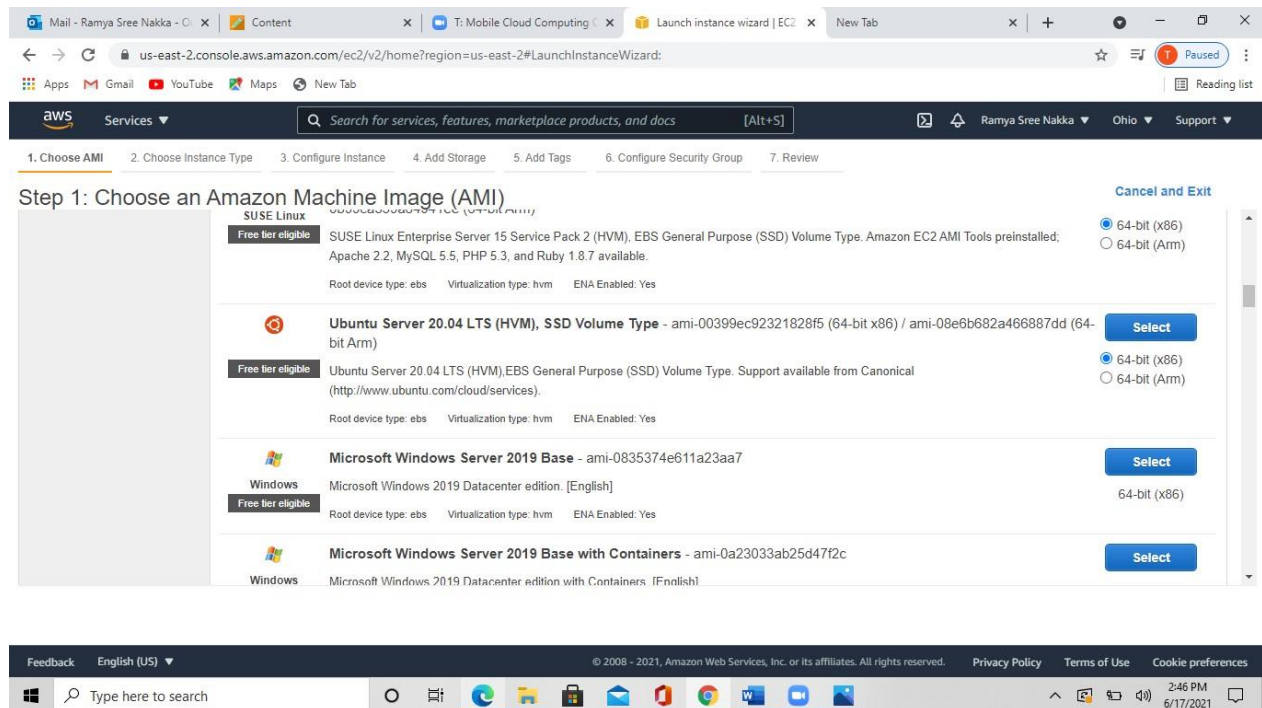


Deploying a web page using Elastic beanstalk:

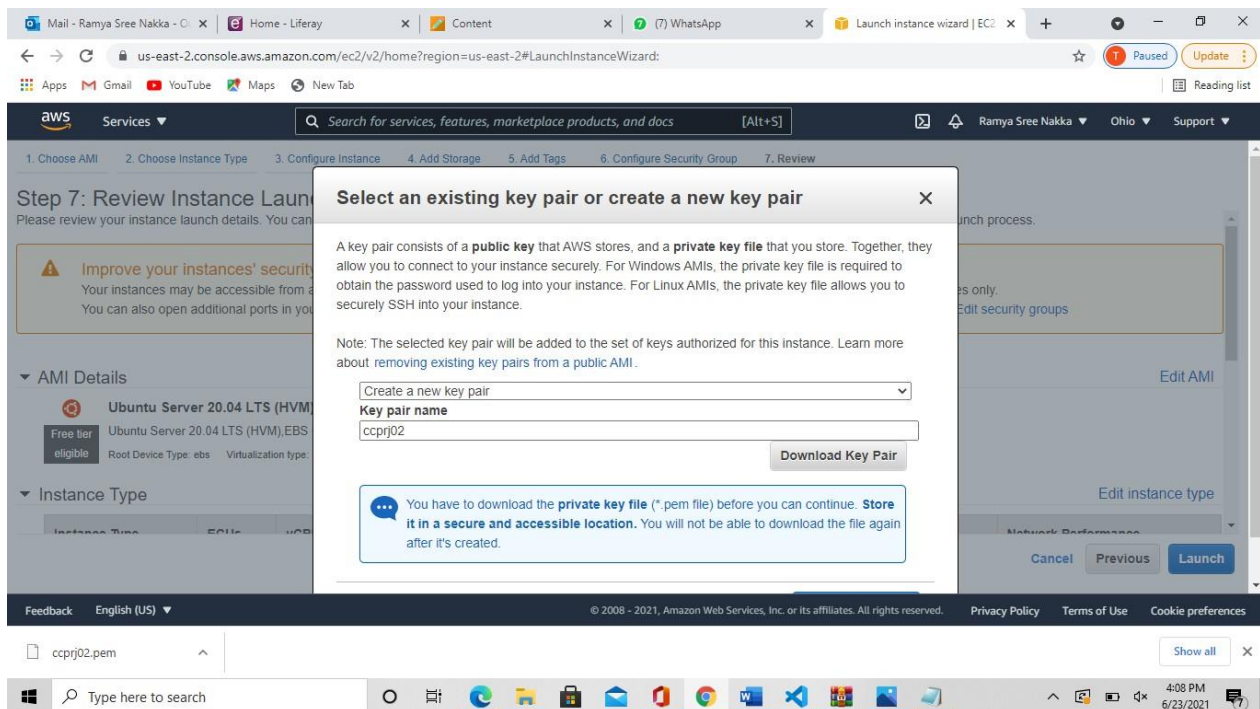


Step 1: Login to AWS and open EC2 Dashboard and Click launch new instance

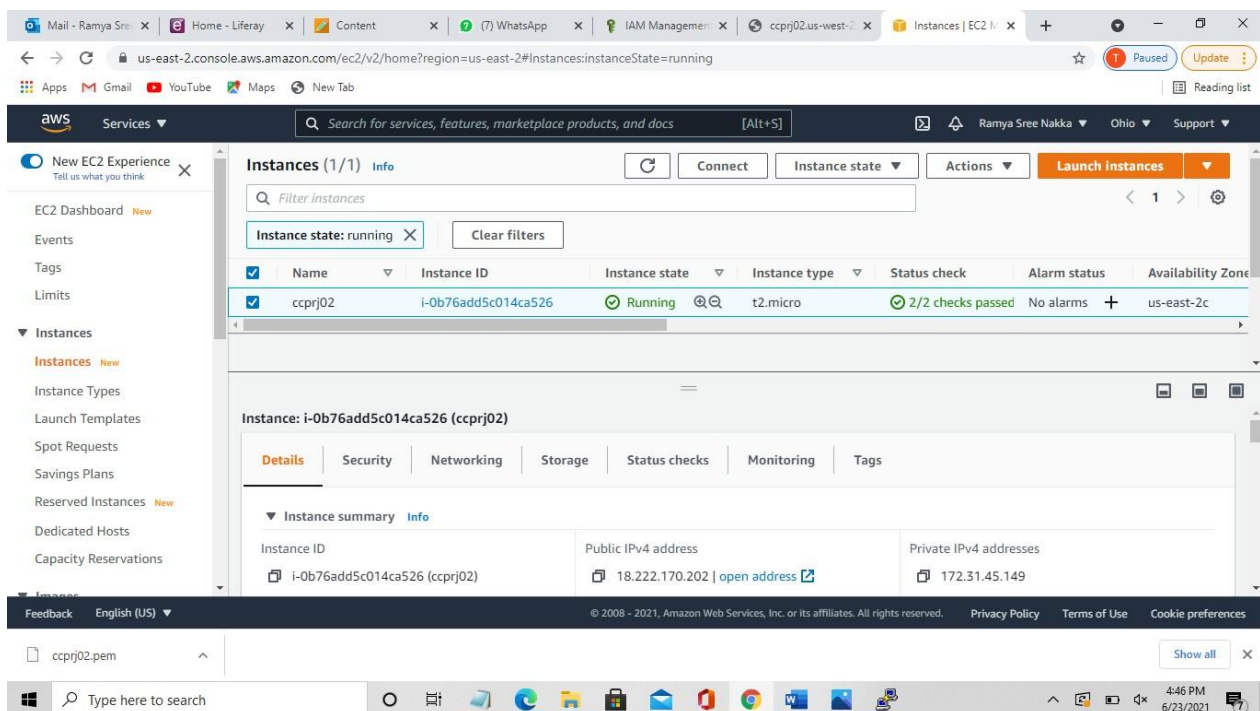


Step 2: Select Ubuntu Server.

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Step 3: Download new key pairs and launch the instance.



Step 4: Once the instance is launch and ready to connect, select the created instance and click on connect.

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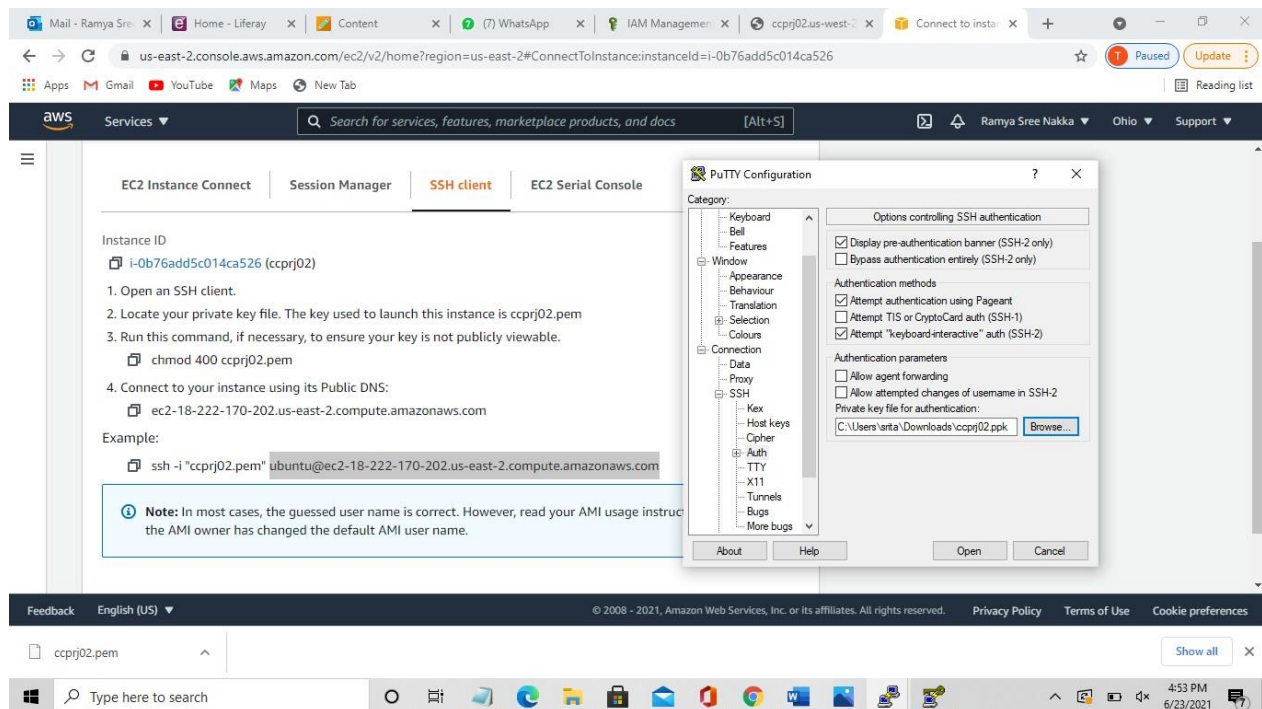
The screenshot shows the AWS Management Console with the 'SSH client' tab selected under 'EC2 Instance Connect'. The instance ID is 'i-0b76add5c014ca526 (ccprj02)'. The instructions for connecting via SSH are displayed. A 'PuTTY Key Generator' window is open, showing the 'Key' tab with 'No key' selected. The 'Actions' section includes 'Generate a public/private key pair', 'Load an existing private key file', and 'Save the generated key'. The 'Parameters' section shows 'Type of key to generate' set to 'RSA' and 'Number of bits in a generated key' set to '2048'.

Step5: (Only for windows user) Once your SSH client is ready to connect open puttygen and generate new private key using puttygen with extension .ppk

The screenshot shows the AWS Management Console with the 'SSH client' tab selected under 'EC2 Instance Connect'. The instance ID is 'i-0b76add5c014ca526 (ccprj02)'. The instructions for connecting via SSH are displayed. A 'PuTTY Key Generator' window is open, showing the 'Key' tab with a generated key. The 'Key fingerprint' is 'ssh-rsa 2048 SHA256:D80M2F6IOEZPKXvLq3VQExN4SCe3D7zn60C3d0GY'. The 'Key comment' is 'imported-openssh-key'. The 'Key passphrase' and 'Confirm passphrase' fields are empty. The 'Actions' section includes 'Generate a public/private key pair', 'Load an existing private key file', and 'Save the generated key'. The 'Parameters' section shows 'Type of key to generate' set to 'RSA' and 'Number of bits in a generated key' set to '2048'.

Step6: Once you load the key, click on save private key with extension .ppk

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Step 7 : Open putty, paste the host id available in SSH client and go to SSH->AUTH and browse the private key with .ppk extension in order to connect to ubuntu terminal

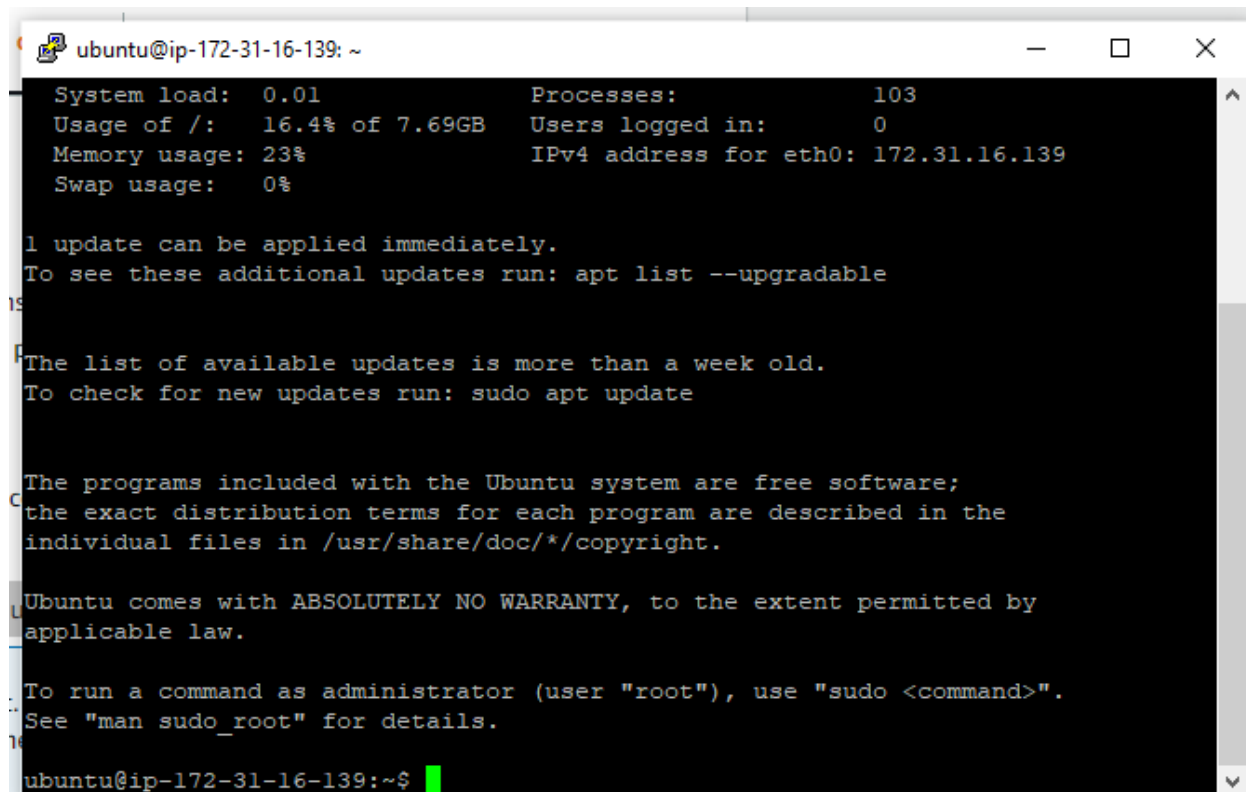


Fig: Once you are connected, ubuntu terminal like this will popup.

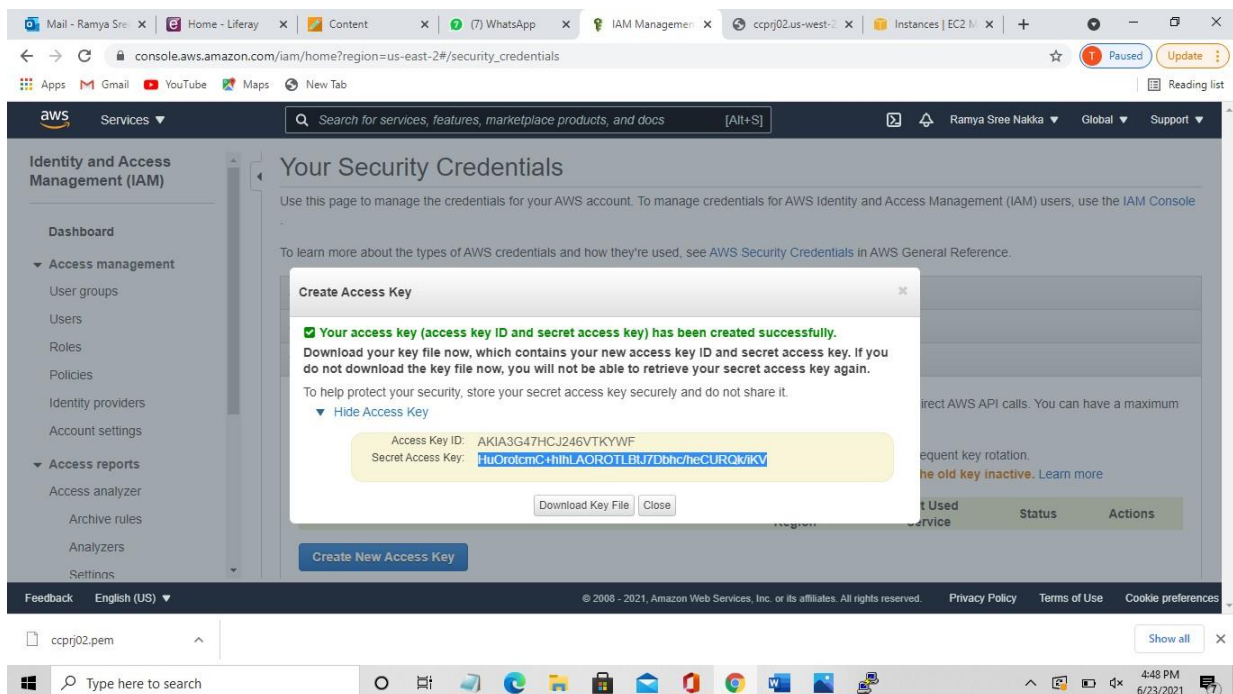

```
ubuntu@ip-172-31-45-149: ~/ccprj02
6) proj2
7) [ Create new Application ]
(default is 7): 7

Enter Application Name
(default is "ccprj02"): ccprj02
Application ccprj02 has been created.

It appears you are using PHP. Is this correct?
(Y/n): y
Select a platform branch.
1) PHP 8.0 running on 64bit Amazon Linux 2
2) PHP 7.4 running on 64bit Amazon Linux 2
3) PHP 7.3 running on 64bit Amazon Linux 2 (Deprecated)
4) PHP 7.2 running on 64bit Amazon Linux 2 (Deprecated)
5) PHP 7.3 running on 64bit Amazon Linux (Deprecated)
6) PHP 7.2 running on 64bit Amazon Linux (Deprecated)
(default is 1): 1

Cannot setup CodeCommit because there is no Source Control setup, continuing with
initialization
Do you want to set up SSH for your instances?
(Y/n): n
```

Fig 2



Step 8: open security credentials in your AWS account and find this access key and secret key and proceed further.

```
ubuntu@ip-172-31-45-149: ~/ccprj02
2021-06-23 21:19:25 INFO Instance deployment: You didn't include a 'composer.json' file in your source bundle. The deployment didn't install Composer dependencies.
2021-06-23 21:19:28 INFO Instance deployment completed successfully.
2021-06-23 21:19:41 INFO Application available at ccprj02.us-west-2.elasticbeanstalk.com.
2021-06-23 21:19:41 INFO Successfully launched environment: ccprj02

ubuntu@ip-172-31-45-149:~/ccprj02$ eb list
* ccprj02
ubuntu@ip-172-31-45-149:~/ccprj02$ eb status
Environment details for: ccprj02
  Application name: ccprj02
  Region: us-west-2
  Deployed Version: app-210623_211637
  Environment ID: e-z258wvfmnk
  Platform: arn:aws:elasticbeanstalk:us-west-2::platform/PHP 8.0 running on 64bit Amazon Linux 2/3.3.1
  Tier: WebServer-Standard-1.0
  CNAME: ccprj02.us-west-2.elasticbeanstalk.com
  Updated: 2021-06-23 21:19:41.538000+00:00
  Status: Ready
  Health: Green
ubuntu@ip-172-31-45-149:~/ccprj02$
```

Fig:

Note: Once you have successfully run all the commands, you will get a link generated in “EB CREATE” section. Copy that link and paste it in browser to see the webpage that you hosted.

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Student Area of Interest in Specialization

* required field

NAME: Sony

StudentId: 0919

Interest:

- ☒ Machine learning
- ☐ Computer Vision and Deep Learning
- ☐ Web Development
- ☐ Data Science

Submit

Thank you for submitting your Interest .

Your Name is:
Your StudentId is:
You are interested in:

Fig: Output when you run generated link in browser.

Student Area of Interest in Specialization

* required field

NAME:

StudentId:

Interest:

- ☐ Machine learning
- ☐ Computer Vision and Deep Learning
- ☐ Web Development
- ☐ Data Science

Submit

Thank you for submitting your Interest .

Your Name is: Sony
Your StudentId is: 0919
You are interested in: Machine learning

Fig : Output generated after clicking the submit button.