

# REACT APPLICATION DEPLOYMENT

## Jenkins Pipeline Script

```
pipeline {
    agent{
        label 'dev'
    }

    tools{
        nodejs 'node16'
    }

    stages {
        stage('Clean Work space') {
            steps {
                cleanWs()
            }
        }

        stage('Code'){
            steps{
                git 'https://github.com/PrathimaVyas/Zomato-Project.git'
            }
        }

        stage('Code Quality Analysis'){
            steps{
                withSonarQubeEnv('mysonar') {
                    sh 'npm install'
                    sh 'npx sonar-scanner -Dsonar.projectKey=zomato'
                }
            }
        }

        stage('Quality Gates'){
            steps{
                script{
                    waitForQualityGate abortPipeline: false, credentialsId: 'sonar'
                }
            }
        }

        stage('Build the code'){
            steps{
```

```

        sh 'npm run build'
    }
}

stage('Build the Dockerfile'){
    steps{
        sh 'docker build -t prathima77/zomato-app:zomatoimage .'
    }
}

stage('Scan the image'){
    steps{
        sh 'trivy image prathima77/zomato-app:zomatoimage'
    }
}

stage('Push image to Docker Hub'){
    steps{
        withDockerRegistry(credentialsId: 'DockerHub', url: '') {
            sh 'docker push prathima77/zomato-app:zomatoimage'
        }
    }
}

stage('Deploy the application'){
    steps{
        sh 'docker stack deploy zomato-app --compose-file=compose.yml'
        //access the application with port number 3000
    }
}

post {
    always {
        slackSend channel: 'all-docker-project', message: "**${currentBuild.currentResult}:* Job ${env.JOB_NAME}\n
Build ${env.BUILD_NUMBER}\n More info at: ${env.BUILD_URL}"
    }
}
}

```

# SONARQUBE OUTPUT

There's a new version of SonarQube available. Upgrade to the latest active version to access new updates and features. [Learn More](#)

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

Search for projects... A

zomato main Last analysis of this Branch had 2 warnings May 14, 2025 at 7:14 PM Version not provided

Overview Issues Security Hotspots Measures Code Activity Project Settings Project Information

**QUALITY GATE STATUS**

**Passed**  
All conditions passed.

**MEASURES**

**New Code**  
Since May 14, 2025  
Started 34 minutes ago

**Overall Code**

11 Bugs Reliability C

0 Vulnerabilities Security A

4 Security Hotspots 0.0% Reviewed Security Review E

55min Debt 29 Code Smells Maintainability A

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Search for projects... A

My Favorites All

Filters

**Quality Gate**

Passed 1  
Failed 0

**Reliability ( Bugs )**

A rating 0  
B rating 0  
C rating 1  
D rating 0  
E rating 0

**Security ( Vulnerabilities )**

A rating 1  
B rating 0  
C rating 0  
D rating 0  
E rating 0

**Security Review ( Security Hotspots )**

Search by project name or key

Create Project

1 project(s) Perspective: Overall Status Sort by: Name

zomato Passed Last analysis: 7 minutes ago

11 Bugs 0 Vulnerabilities 0.0% Hotspots Reviewed 29 Code Smells 0.0% Coverage 4.4% Duplications 17k Lines HTML, CS...

1 of 1 shown

Embedded database should be used for evaluation purposes only  
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database engine.

SonarQube™ technology is powered by SonarSource SA  
Community Edition - v9.9.8 (build 100196) - LGPL v3 - [Community](#) - [Documentation](#) - [Plugins](#)

English (India)  
English (India)

To switch input methods, press Windows key + space.

## ACCESSING APPLCIATION WITH MASTER IP ADDRESS

The screenshot shows the AWS Management Console interface. At the top, there's a search bar and navigation tabs. The main content area displays a terminal window with the following output:

```
[root@ip-172-31-36-243 ~]# docker node ls
ID                                HOSTNAME                                STATUS    AVAILABILITY    MANAGER STATUS    ENGINE VERSION
knq69kv99s55g6cv9z7wx7xn8        ip-172-31-17-39.ec2.internal            Ready    Active
1hesyf5g8fhjh6vxul1tye493        ip-172-31-20-141.ec2.internal            Ready    Active
wth8saqw7phbokpgyhjb9tu40        ip-172-31-22-170.ec2.internal            Ready    Active
u5ionin1i80945hj0b6vswm3k *      ip-172-31-36-243.ec2.internal            Ready    Active          Leader            25.0.8
[root@ip-172-31-36-243 ~]# docker service ls
ID                                NAME                MODE                REPLICAS        IMAGE                                PORTS
s12coz3m8yxt                    zomato-app           replicated          3/3             prathima77/zomato-app:zomatoimage  *:3000->3000/tcp
[root@ip-172-31-36-243 ~]#
```

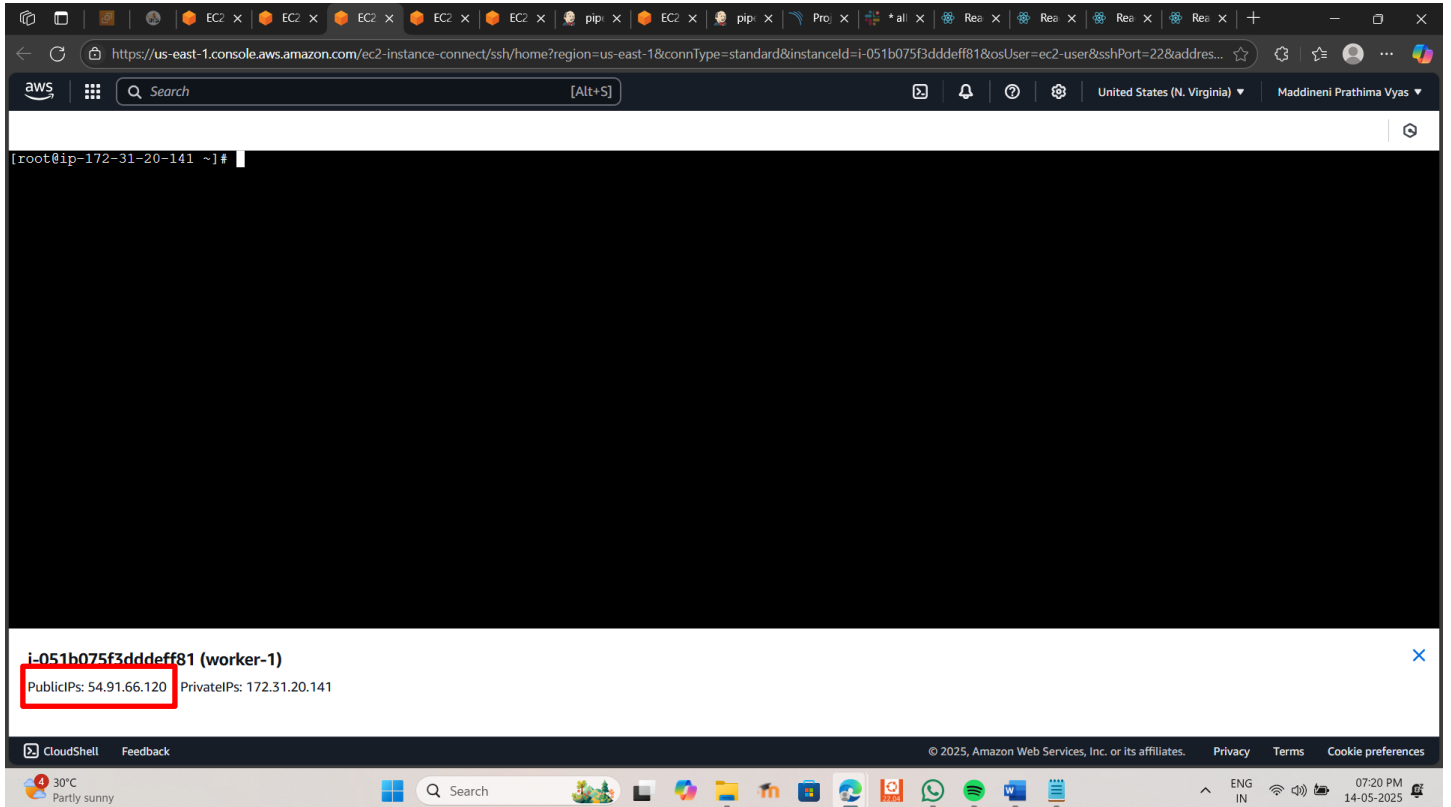
Below the terminal output, a notification box for instance **i-0d977b7eb3cbfdff0 (Master)** is visible, showing **PublicIPs: 3.81.41.54** and **PrivateIPs: 172.31.36.243**. The IP address **3.81.41.54** is highlighted with a red box.

The bottom of the screenshot shows the Windows taskbar with the system clock at 07:19 PM on 14-05-2025.

The screenshot shows the Zomato website homepage. The browser's address bar displays **3.81.41.54:3000**, which is highlighted with a red box. The website features a large hero image with the Zomato logo and the tagline "Discover the best food & drinks in Patna". Below the hero image, there's a search bar with the text "Chennai" and a placeholder "Search for restaurant, cuisine or a dish". The bottom of the page shows a row of three images: a restaurant interior, a group of people raising their hands, and a plate of food.

The bottom of the screenshot shows the Windows taskbar with the system clock at 07:20 PM on 14-05-2025.

## ACCESSING APPLICATION WITH WORKER-1 IP ADDRESS



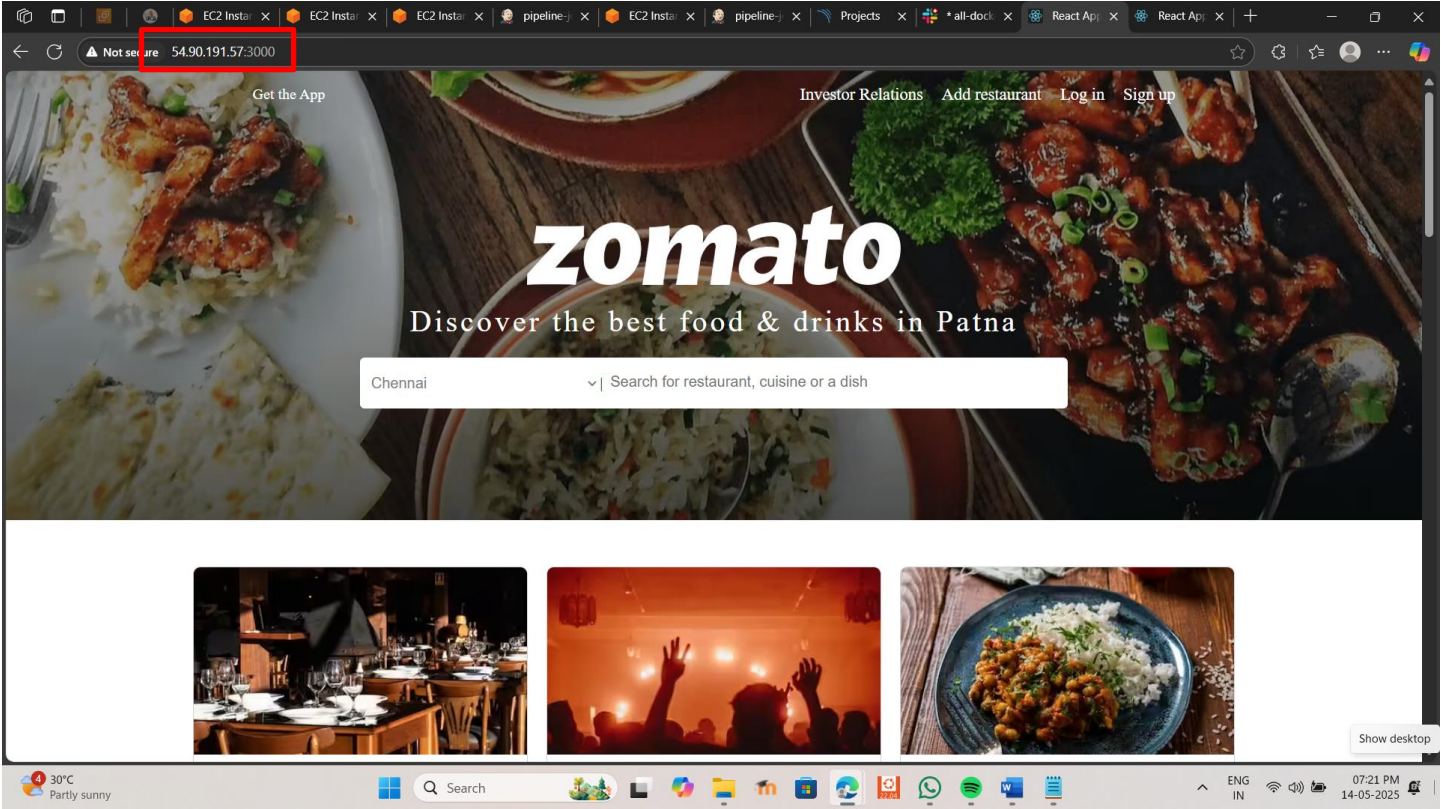
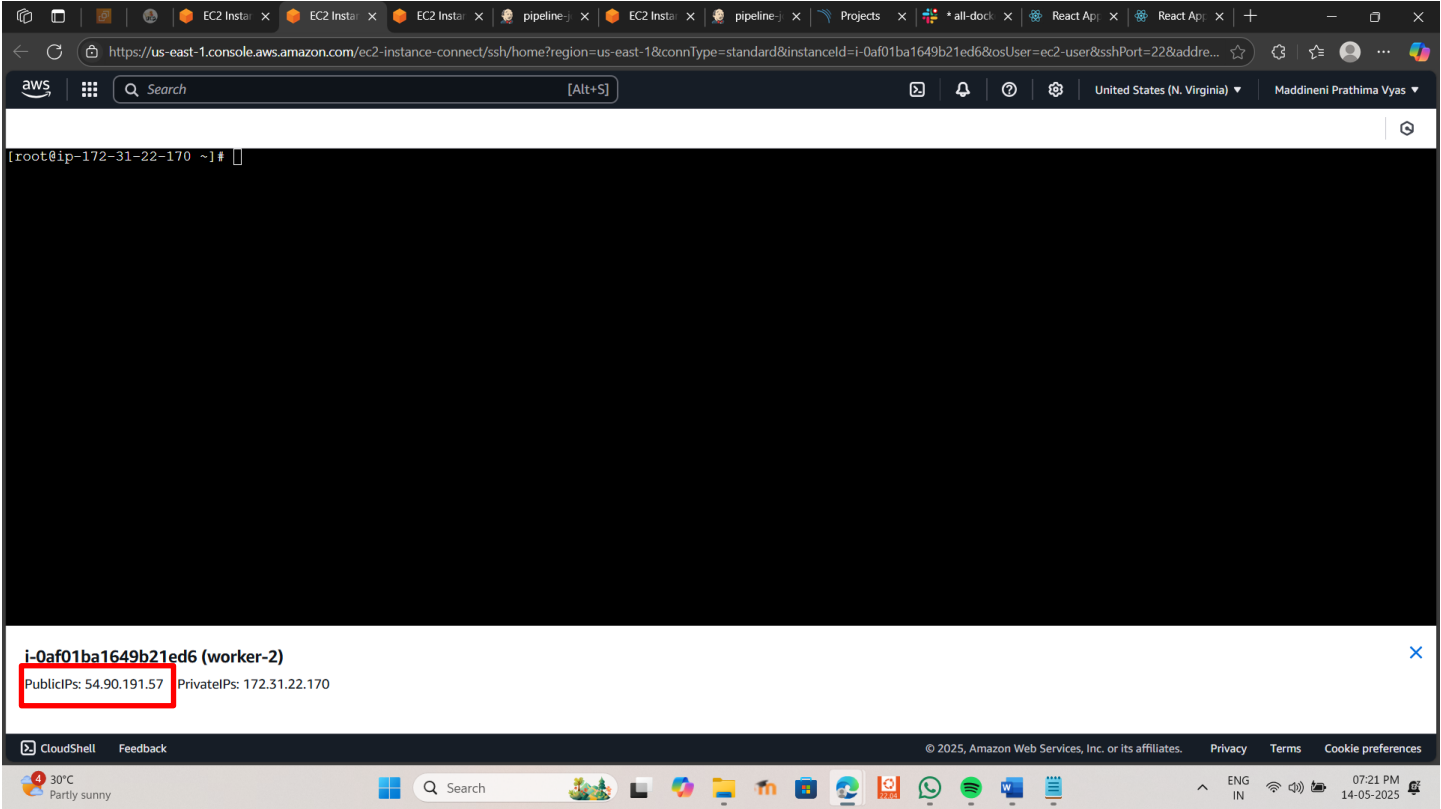
The screenshot shows the AWS Management Console interface. The browser address bar displays the URL: `https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-1&connType=standard&instanceId=i-051b075f3dddeff81&osUser=ec2-user&sshPort=22&address=...`. The main content area shows the details of an EC2 instance named **i-051b075f3dddeff81 (worker-1)**. A red box highlights the **PublicIPs** field, which contains the value **54.91.66.120**. The **PrivateIPs** field shows **172.31.20.141**. The bottom of the console shows the **CloudShell** button and a **Feedback** link. The system tray at the bottom indicates a temperature of 30°C and a weather of 'Partly sunny'.



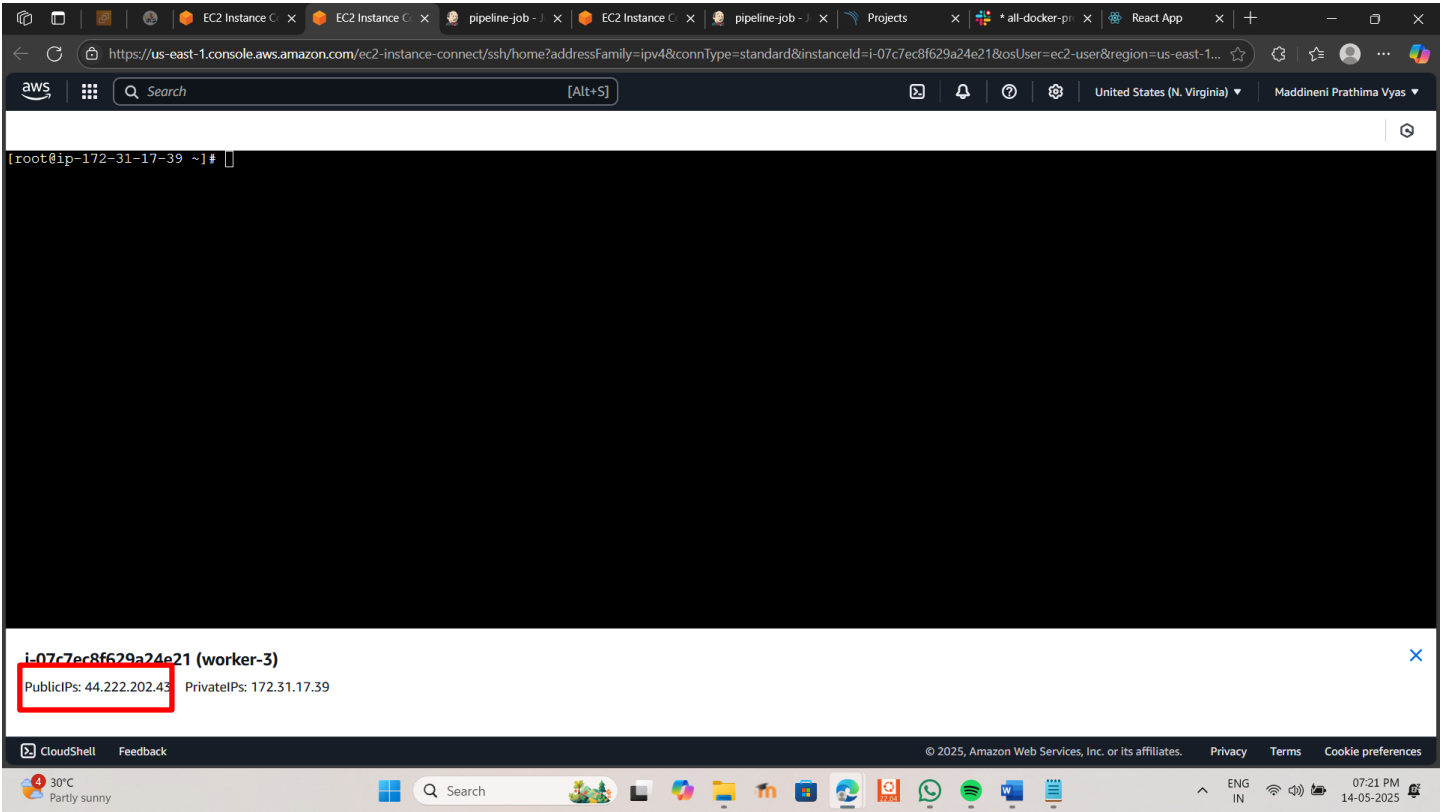
The screenshot shows the Zomato website. The browser address bar displays the URL: `54.91.66.120:3000`, which is highlighted with a red box. The website header includes links for **Investor Relations**, **Add restaurant**, **Log in**, and **Sign up**. The main banner features the Zomato logo and the text **Discover the best food & drinks in Patna**. Below the banner, there is a search bar with the text **Chennai** and a dropdown arrow, followed by the placeholder text **Search for restaurant, cuisine or a dish**. The bottom section of the page displays three images: a restaurant interior, a group of people raising their hands in a crowd, and a plate of food. The system tray at the bottom indicates a temperature of 30°C and a weather of 'Partly sunny'.



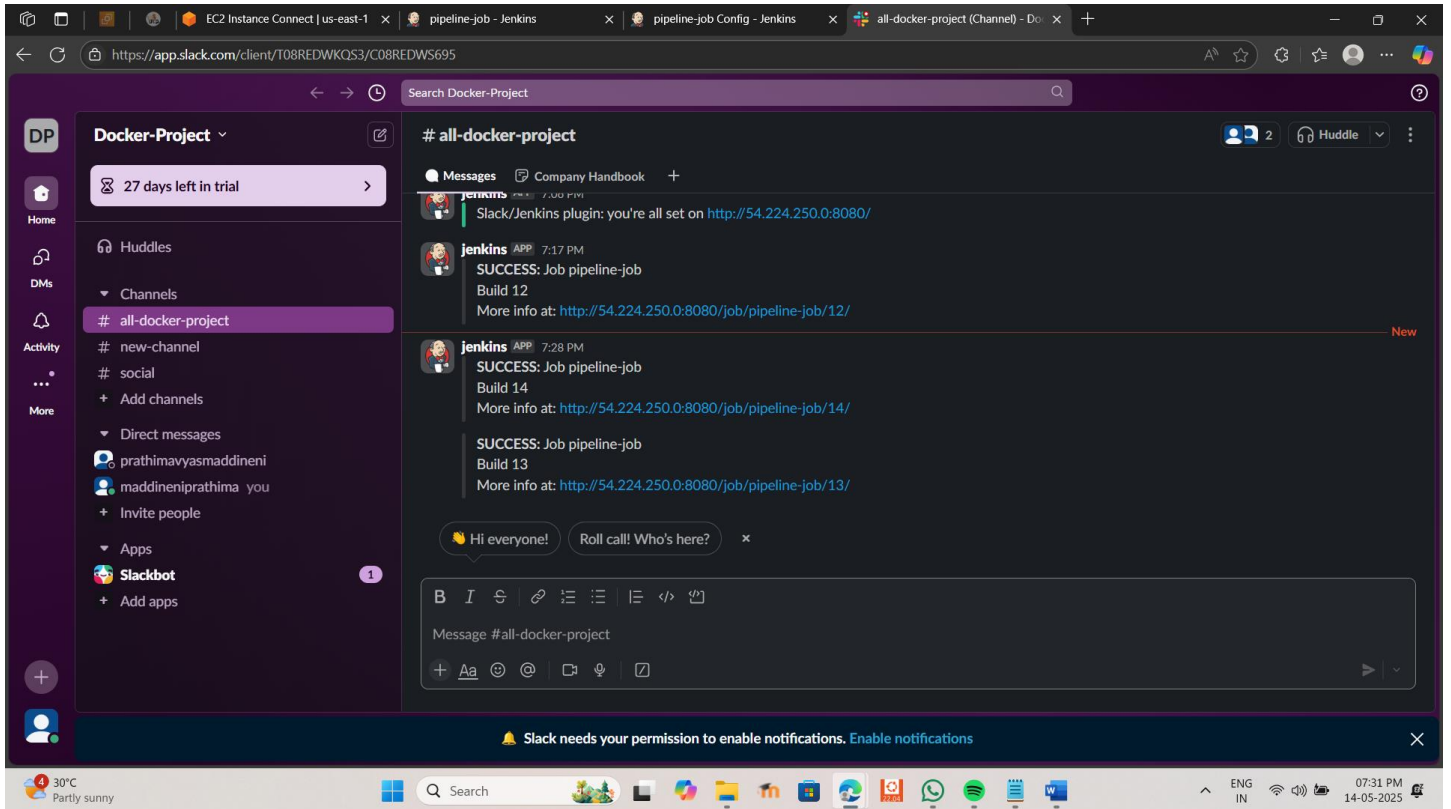
# ACCESSING APPLCIATION WITH WORKER-2 IP ADDRESS



ACCESSING APPLCIATION WITH WORKER-3 IP ADDRESS



# SLACK OUTPUT



## PIPELINE STAGE VIEW (WE CAN SEE ALL STAGES OUTPUTS IN LOGS HERE)

