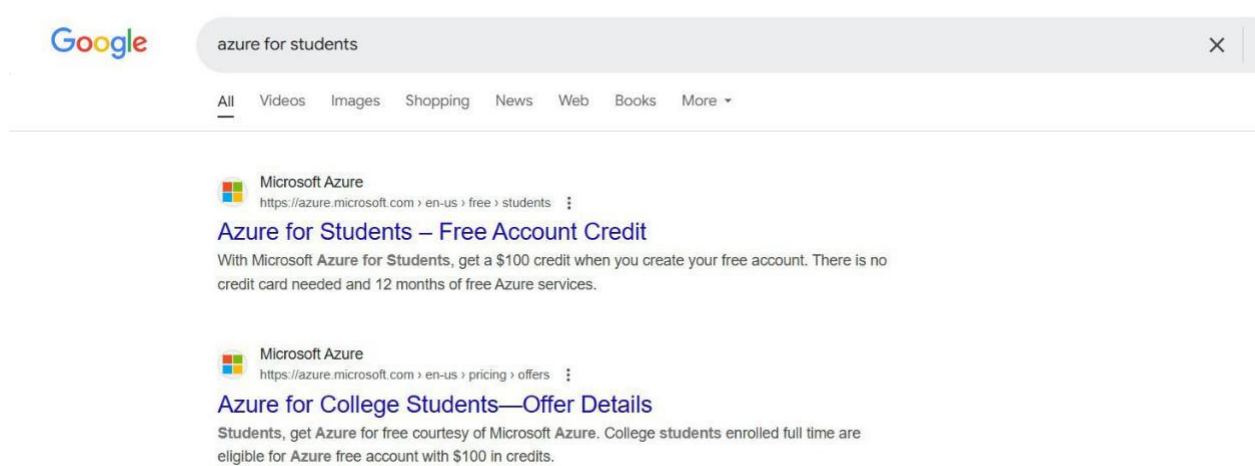


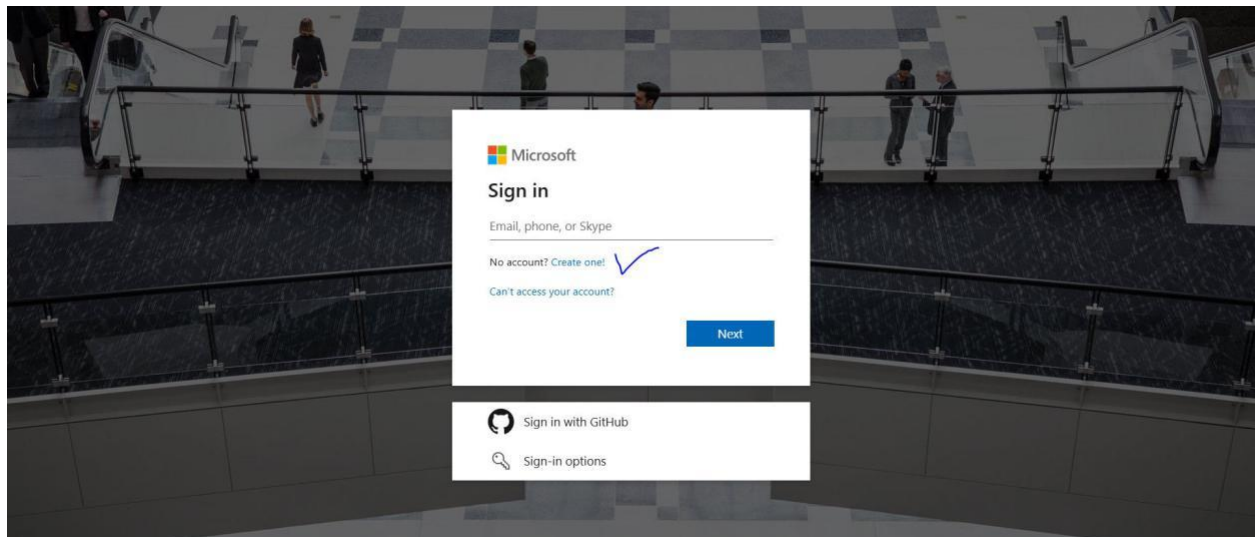
**PROGRAM9: Introduction to Azure DevOps: Overview of Azure DevOps Services, Setting Up an Azure DevOps Account and Project.**

**STEP1:Go to Google chrome and type **azure for students****

**<https://azure.microsoft.com/en-us/free/students>**

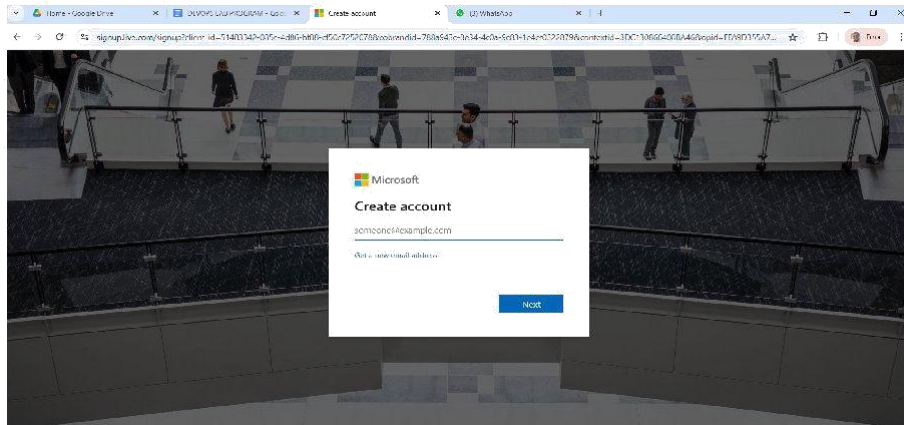


**STEP2: Click on **Start Free** after that u get screen as in below**

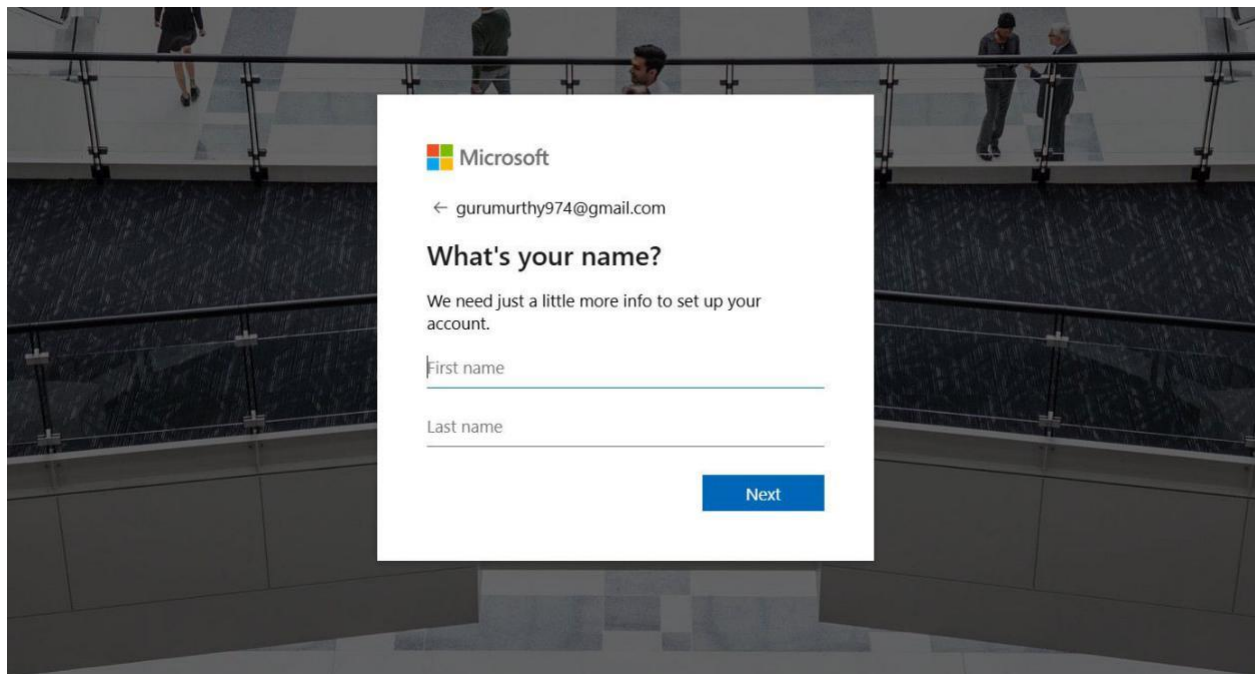


**Click on Create one, If u have Github account u can Sign in using github account better way is to create one account**

**STEP3:Provide your email id at place of create account**



**STEP4:After password is set provide your First name Last name**



**Then provide Country,Date of Birth**

The image shows a Microsoft account creation screen for a child account. The background is a blurred image of a modern building interior with a checkered floor and people walking. The screen is a white overlay with the Microsoft logo at the top left. Below the logo is a back arrow and the email address 'gurumurthy974@gmail.com'. The main heading is 'What's your birthdate?'. Below this is a sub-heading: 'If a child uses this device, select their date of birth to create a child account.' There is a 'Country/region' dropdown menu with 'India' selected. Below that is a 'Birthdate' section with three dropdown menus for 'Day', 'Month', and 'Year'. A paragraph of text explains that a child account enables parental controls and usage limits, and provides a link to the Family Safety app. A blue 'Next' button is at the bottom right.

Microsoft

← gurumurthy974@gmail.com

### What's your birthdate?

If a child uses this device, select their date of birth to create a child account.

Country/region

India

Birthdate

Day Month Year

A child account enables you to enforce parental controls and impose usage limits for this device for reasons of privacy and safety. You can manage these settings using our Family Safety app. Learn more at <https://aka.ms/family-safety-app>

Next

**STEP5: Verification code be mailed to the mentioned once kindly type it**

The image shows a Microsoft account verification screen. The background is the same blurred image of a modern building interior. The screen is a white overlay with the Microsoft logo at the top left. Below the logo is a back arrow and the email address 'gurumurthy974@gmail.com'. The main heading is 'Verify email'. Below this is a sub-heading: 'Enter the code we sent to **gurumurthy974@gmail.com**. If you didn't get the email, check your junk folder or [try again](#).' There is a text input field with the placeholder 'Enter code'. Below that is a checkbox with the text 'I would like information, tips, and offers about Microsoft products and services.' A paragraph of text explains that choosing 'Next' means agreeing to the Microsoft Services Agreement and privacy and cookies statement. A blue 'Next' button is at the bottom right.

Microsoft

← gurumurthy974@gmail.com

### Verify email

Enter the code we sent to **gurumurthy974@gmail.com**. If you didn't get the email, check your junk folder or [try again](#).

Enter code

☐ I would like information, tips, and offers about Microsoft products and services.

Choosing **Next** means that you agree to the [Microsoft Services Agreement](#) and [privacy and cookies statement](#).

Next

**STEP6:After code is verified as u got in the mail referred U be given an option to solve puzzlegame**



**STEP7:This step is the important once where u fill your Academic Details properly where u provide College email id as in provided by your Individual colleges later the verification code again comes**

A screenshot of the Microsoft Azure Academic Verification form. The form is titled "Academic Verification" and contains the following fields: First name (Gurumurthy), Last name (Saralaya), Country (United States), School name (Type in a school name), and Date of birth (dd/mm/yyyy). The form also includes a "Start Chat" button in the bottom right corner. The background of the form is dark and blurry.

**After proper college email is given u get verification mail with link to mail u have provided**

Hello,

You have received this email because you recently requested verification via **Microsoft's Academic Verification** service. If you did not submit your email for this program, please disregard this email.

To complete your academic status verification, please click the link below. The link will automatically expire if not used within 5 days. After clicking the link, your verification status will be confirmed and you will return to the site.

-Navigate to: [https://verifyemail.microsoft.com/v1.0/tokenverification/verify?signature=YPOldNoTloPJ8nJy8QXZhbyR5Y5wAfwKVaNqhX5hgX6Yb0hQyqW5Aa5CsLqDGTWbHGIFSKjx37ROJFB7B0BogKqDTCsJ3ADCIXL9McGPZs97Ms2qbP54fx0AGGTgdu7Y2SGVdpLBk98PIp3rVZf%2F2ES3z4IR8zM%2BjjuRvGxNuTK%2B4IM2hfFKm2kSsbp%2Bi754BLIZSJW4216NcWohhks8!%2Fdd2qk7fgLurMrUhi8MaiPwQjLzyBmWbd9bjRY4PtX%2FfhwpOZTPGdROYEUpjsYuf6vwYoj\\$ylbtFBATxAI1se5JlZsAL2qdHWV03x8Yhm3gjN4TGYdxzizDLE0CGCn6h8GVjyls%2BQEIO96N0Rvqi%2FnlccNihsdcmtAN0u9ivHcdpoHRnwX22Q58JgggCzyefDnDbFgxuileaHQn%2BPKgKnOs26OHSdeVVEc%2B0MBsBAQjBTFiHeL7XEkYdahHXReTh8a77XxbRAQAdXGXIfW0caHpUHafaNKxiQBM28dR%2BPgZB0n3kKFMIIR20tYQtxpSkOGa6DOssh38bumS2WrSQ%3D](https://verifyemail.microsoft.com/v1.0/tokenverification/verify?signature=YPOldNoTloPJ8nJy8QXZhbyR5Y5wAfwKVaNqhX5hgX6Yb0hQyqW5Aa5CsLqDGTWbHGIFSKjx37ROJFB7B0BogKqDTCsJ3ADCIXL9McGPZs97Ms2qbP54fx0AGGTgdu7Y2SGVdpLBk98PIp3rVZf%2F2ES3z4IR8zM%2BjjuRvGxNuTK%2B4IM2hfFKm2kSsbp%2Bi754BLIZSJW4216NcWohhks8!%2Fdd2qk7fgLurMrUhi8MaiPwQjLzyBmWbd9bjRY4PtX%2FfhwpOZTPGdROYEUpjsYuf6vwYoj$ylbtFBATxAI1se5JlZsAL2qdHWV03x8Yhm3gjN4TGYdxzizDLE0CGCn6h8GVjyls%2BQEIO96N0Rvqi%2FnlccNihsdcmtAN0u9ivHcdpoHRnwX22Q58JgggCzyefDnDbFgxuileaHQn%2BPKgKnOs26OHSdeVVEc%2B0MBsBAQjBTFiHeL7XEkYdahHXReTh8a77XxbRAQAdXGXIfW0caHpUHafaNKxiQBM28dR%2BPgZB0n3kKFMIIR20tYQtxpSkOGa6DOssh38bumS2WrSQ%3D)

Thank You,  
The Microsoft Academic Verification Team

**Click on link sent**

**After u Click The screen be as in Below**



ise.exam1@cmrit.ac.in

## Add details

We need just a little more info to set up your account.

First name

Last name

Next

TO MAKE UR ACCOUNT SECURE IT AGAIN HAVE PUZZLE



## Take advantage of your academic status



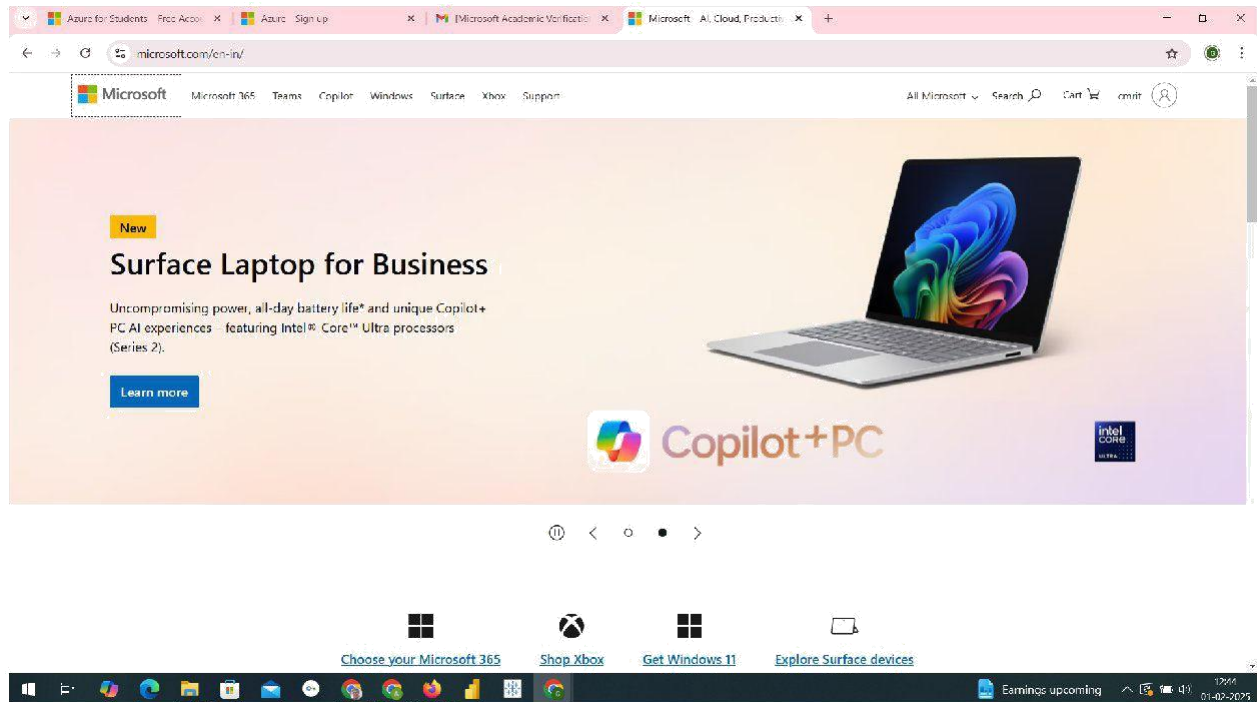
### Protecting your account

Please solve this puzzle so we know you are a real person

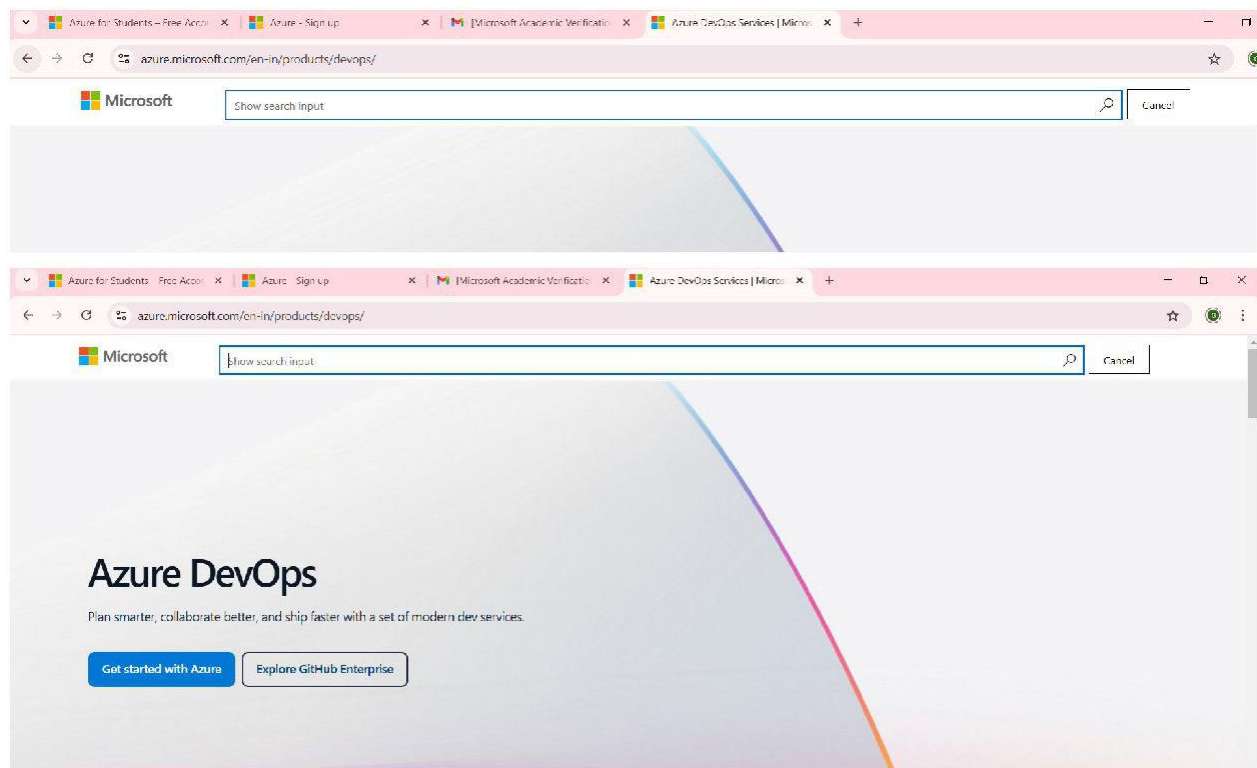
**Start Puzzle**

67118200410c18a46.4232473504

Finally ur screen be like this



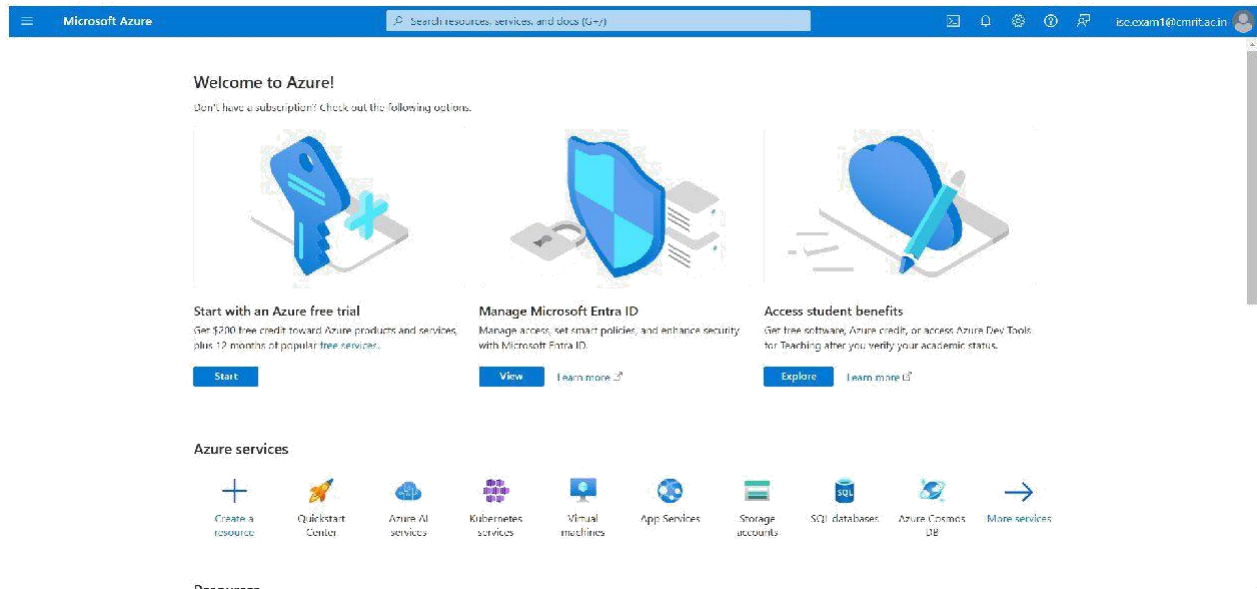
## Go To search and type Azure DevOps



**Click on Get started with Azure**

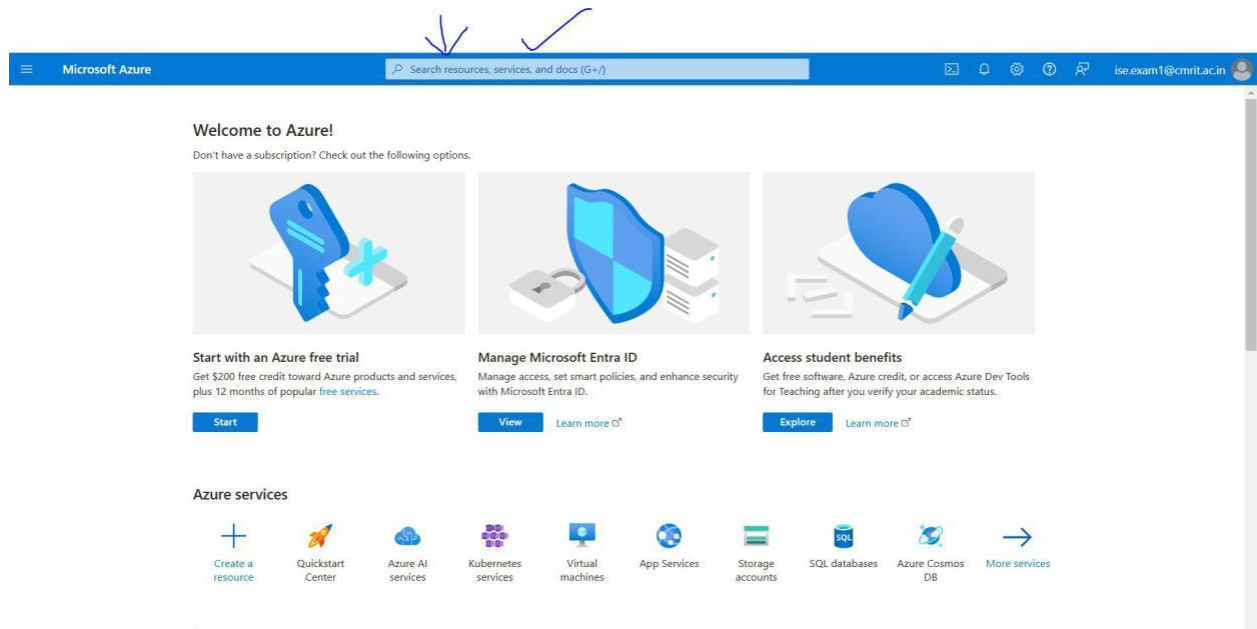
**After the click u get the screen of Get free need not to do anything just click on Signin You will get screen as in below**





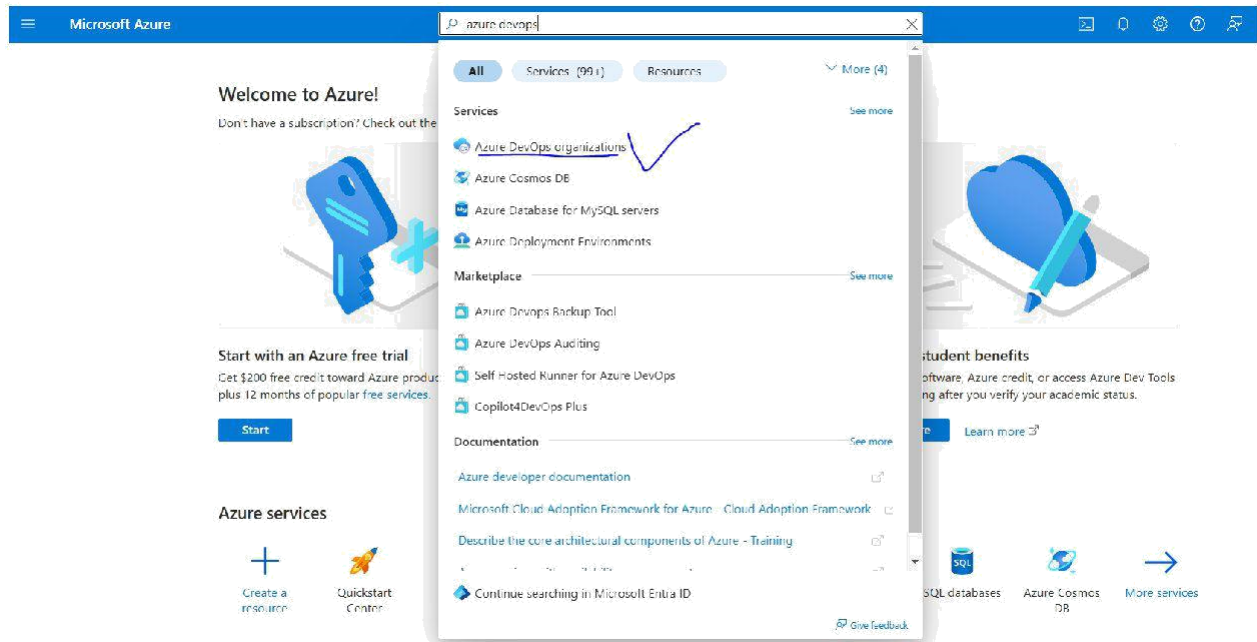
**THIS IS THE HOME PAGE OF THE MICROSOFT AZURE where you can see n number of services now our target is Azure Devops**

**In top where have search for services**



**Type Azure Devops**

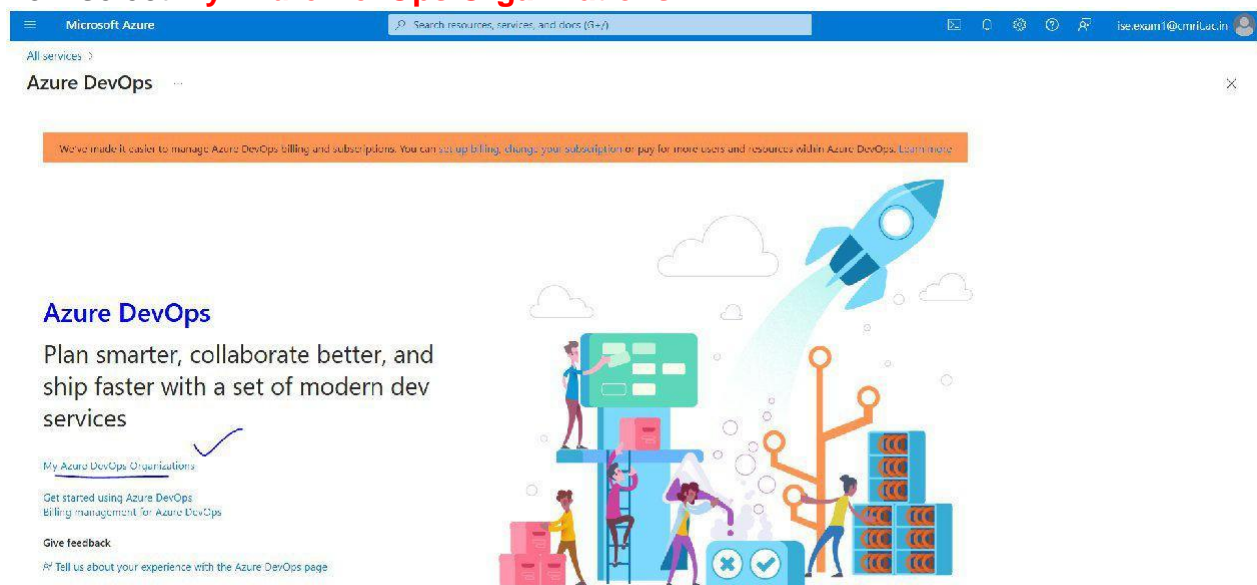
**STEP8:Select Azure Devops Organization**



## STEP9:

After u opting for Azure Devops Organizations u get a screen as in below

now select **My Azure DevOps Organizations**



After above selection it once again reverifies name and email just click

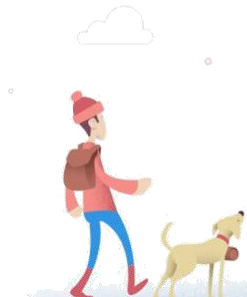
**Continue** After it U get a Screen



## Get started with Azure DevOps

Plan better, code together, ship faster with Azure DevOps

[Create new organization](#)



**Azure DevOps**  
ise.exam1@cmrit.ac.in

**Almost done...**

Name your Azure DevOps organization \*

dev.azure.com/ iseexam1

We'll host your projects in

India

Enter the characters you see

New Audio

RS  
DS

Continue

**You will be able to see Organization is Created**

**Azure DevOps Organizations**

Create new organization

dev.azure.com/iseexam10557 (Owner)

Create a Team Project and start collaborating with your team now!  
New project



Actions  
Open in Visual Studio

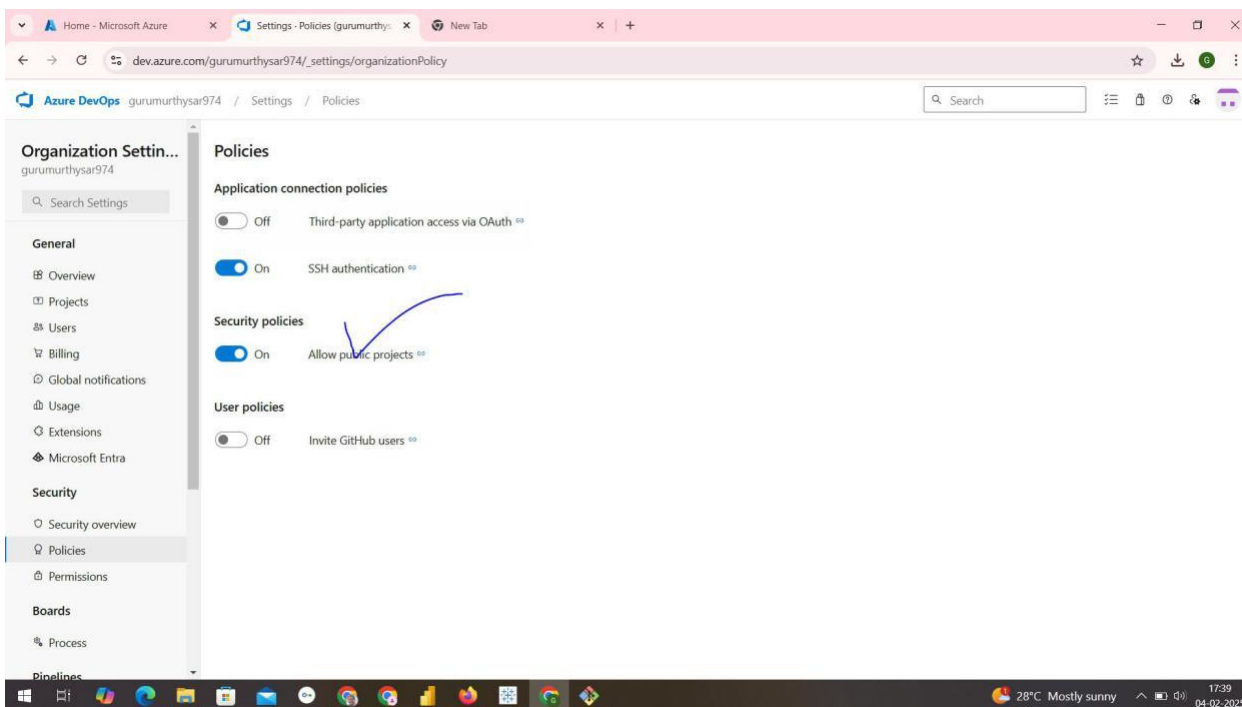
**Finally After Creating a New Organization**

**U can create Project of ur choice as per requirement**  
**Every time u need not to signin u can bookmark or add the below link as shortcut**

<https://aex.dev.azure.com/>  
<https://portal.azure.com/#home>

**PROGRAM10: Creating Build Pipelines: Building a Maven/Gradle Project with Azure Pipelines, Integrating Code Repositories (e.g., GitHub, Azure Repos), Running Unit Tests and Generating Reports.**

**STEP1: On creating organization goto Organization settings goto Policy And Allow Public Projects active**



**STEP2: GOTO GITBASH  
TYPE COMMANDS AS IN BELOW**

**mkdir maventest1  
cd maventest1**

**STEP3: to create simple hellow world maven project type command as in below  
mvn archetype:generate -DgroupId=com.dineshonjava -DartifactId=Javateam -  
DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false**

```

user@DESKTOP-VL3EGGS MINGW64 ~/maventest1 (main)
$ mvn archetype:generate -DgroupId=com.dineshonjava -DartifactId=JavaHelloWorld -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.2/maven-install-plugin-3.1.2.pom (8.5 kB at 9.8 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.2/maven-install-plugin-3.1.2.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/42/maven-plugins-42.pom (7.7 kB at 60 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/42/maven-plugins-42.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.2/maven-install-plugin-3.1.2.jar (32 kB at 360 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.2/maven-install-plugin-3.1.2.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.2/maven-deploy-plugin-3.1.2.pom (9.6 kB at 171 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.2/maven-deploy-plugin-3.1.2.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.2/maven-deploy-plugin-3.1.2.jar (40 kB at 964 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.2/maven-deploy-plugin-3.1.2.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.7.1/maven-assembly-plugin-3.7.1.pom (15 kB at 524 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.7.1/maven-assembly-plugin-3.7.1.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/41/maven-plugins-41.pom (7.4 kB at 104 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/41/maven-plugins-41.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.7.1/maven-assembly-plugin-3.7.1.jar (240 kB at 1.6 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.7.1/maven-assembly-plugin-3.7.1.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.7.0/maven-dependency-plugin-3.7.0.pom (19 kB at 301 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.7.0/maven-dependency-plugin-3.7.0.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.7.0/maven-dependency-plugin-3.7.0.jar (207 kB at 4.2 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.7.0/maven-dependency-plugin-3.7.0.jar
[INFO] ----- org.apache.maven:standalone-pom -----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] ----- [ POM ] -----
[INFO]
[INFO] >>> archetype:3.3.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.3.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.3.1:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar (4.3 kB at 102 kB/s)
[INFO]
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart:1.0
[INFO]
[INFO] Parameter: basedir, Value: C:\Users\User\maventest1
[INFO] Parameter: package, Value: com.dineshonjava
[INFO] Parameter: groupId, Value: com.dineshonjava
[INFO] Parameter: artifactId, Value: JavaHelloWorld
[INFO] Parameter: packageName, Value: com.dineshonjava
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Old (1.x) Archetype in dir: C:\Users\User\maventest1\JavaHelloWorld
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 5.691 s
[INFO] Finished at: 2025-02-04T17:58:22+05:30
[INFO]
user@DESKTOP-VL3EGGS MINGW64 ~/maventest1 (main)

```

**STEP3: to add files from local to github Follow the procedure**

a) First create a repository in github as maventestazure

b) Then come to gitbash and

type **git init**

**git add .**

**git commit -m "azure pipeline**

**example"** **git branch -M main**

**git remote add origin <https://github.com/gurumurthy974/maventestazure.git>**

**git push -u origin main**

**After completion of above command my repository looks**



github.com/gurumurthy974/maventestazure

gurumurthy974 / maventestazure

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

maventestazure Public

main 1 Branch 0 Tags

Go to file Add file Code

gurumurthy974 first 47188c0 · 5 minutes ago 1 Commit

JavaHelloWorld first 5 minutes ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

Add a README

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

Java 100.0%

## STEP4: Now goto Azure DevOps Organization create Public Project

dev.azure.com/gurumurthy974

Azure DevOps

gurumurthy974

New organization

Organization settings

Create a project to get started

Project name \*

maventestaz

Description

Visibility

Public

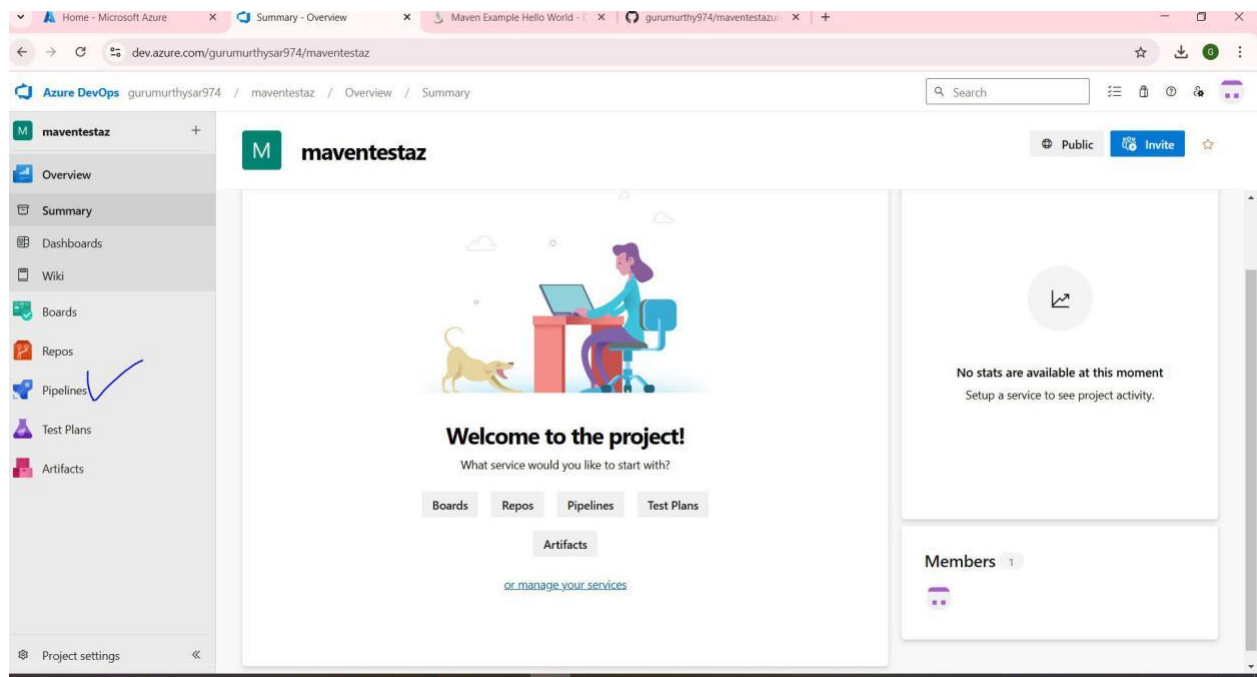
Private

By creating this project, you agree to the Azure DevOps [code of conduct](#)

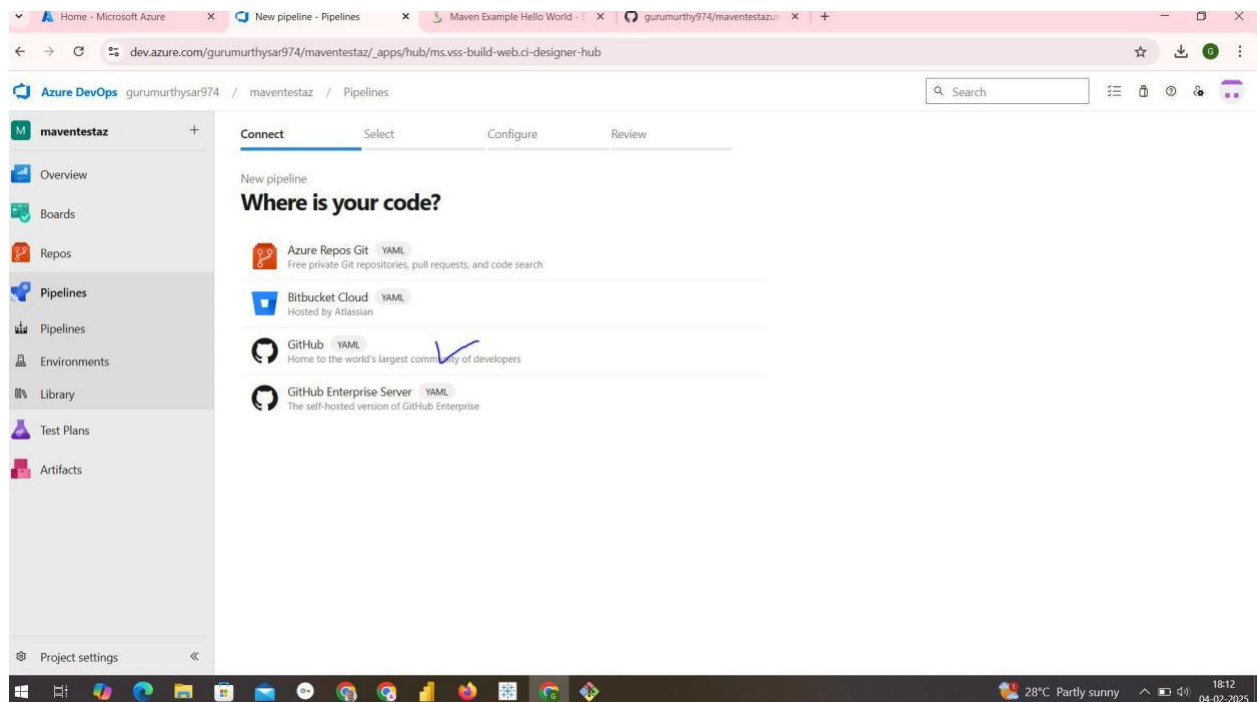
Advanced

Create project

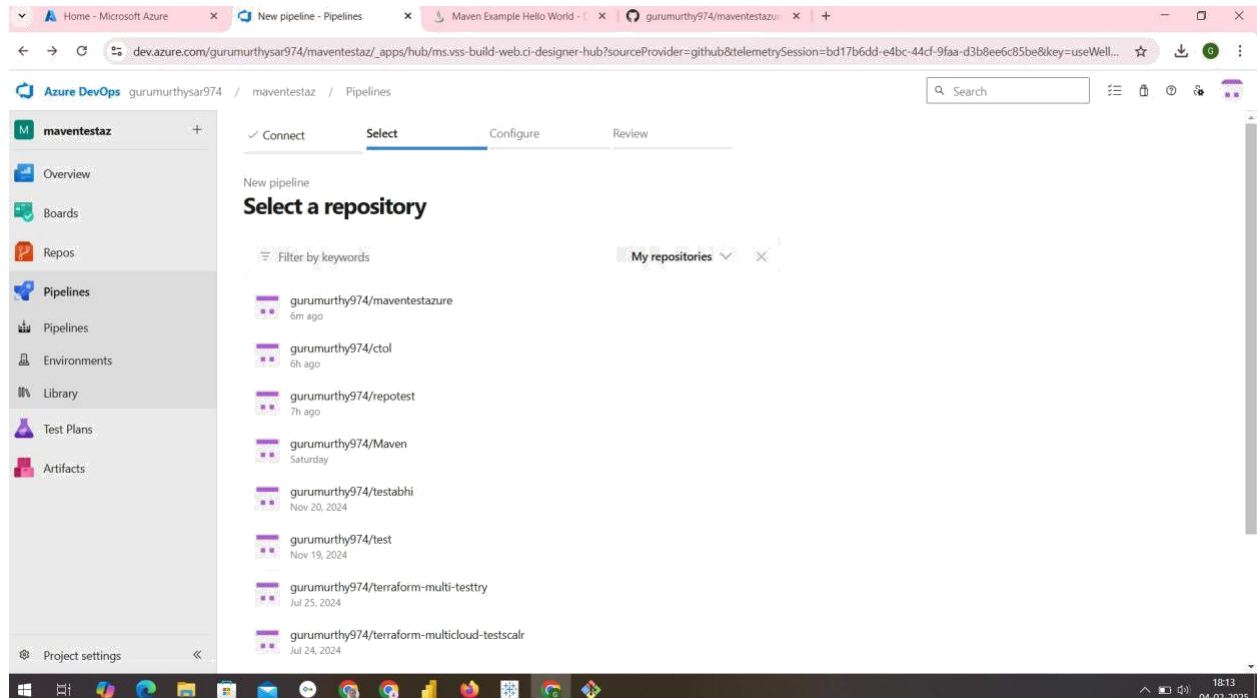
## STEP5: SELECT PIPELINE and then click on create pipeline



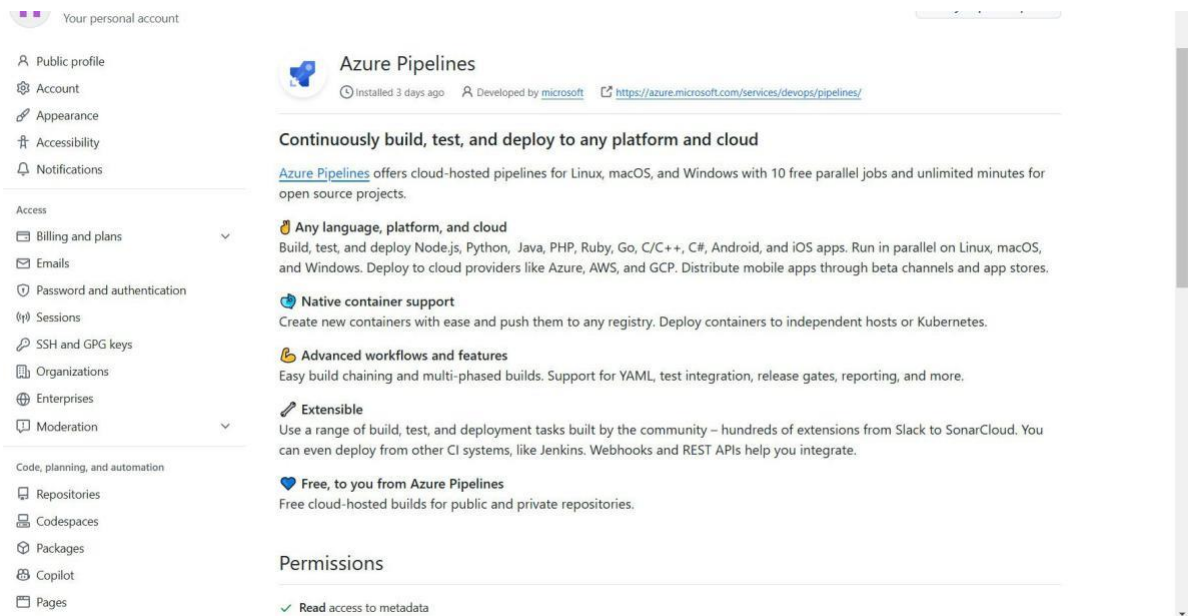
## STEP6: After creating Pipeline select type of repo as Github



STEP7: It asks for minimum signin verification after that ur screen be as in below  
select required repository there to run maven project in my case its **maventest123**



## STEP8: AFTER REQUIRED REPO IS SELECTED the screen be as in below



**Drag the screen down check once again the selected repository is correct or not then click on Approve and Install**

<> Developer settings

**Only select repositories**

Select at least one repository.  
Also includes public repositories (read-only).

Select repositories ▾

Selected 1 repository.

gurumurthy974/maventestazure (suggested) ✕

Approve and install

Cancel

**Danger zone**

**Suspend your installation**

This will block the app access to your resources.

Suspend

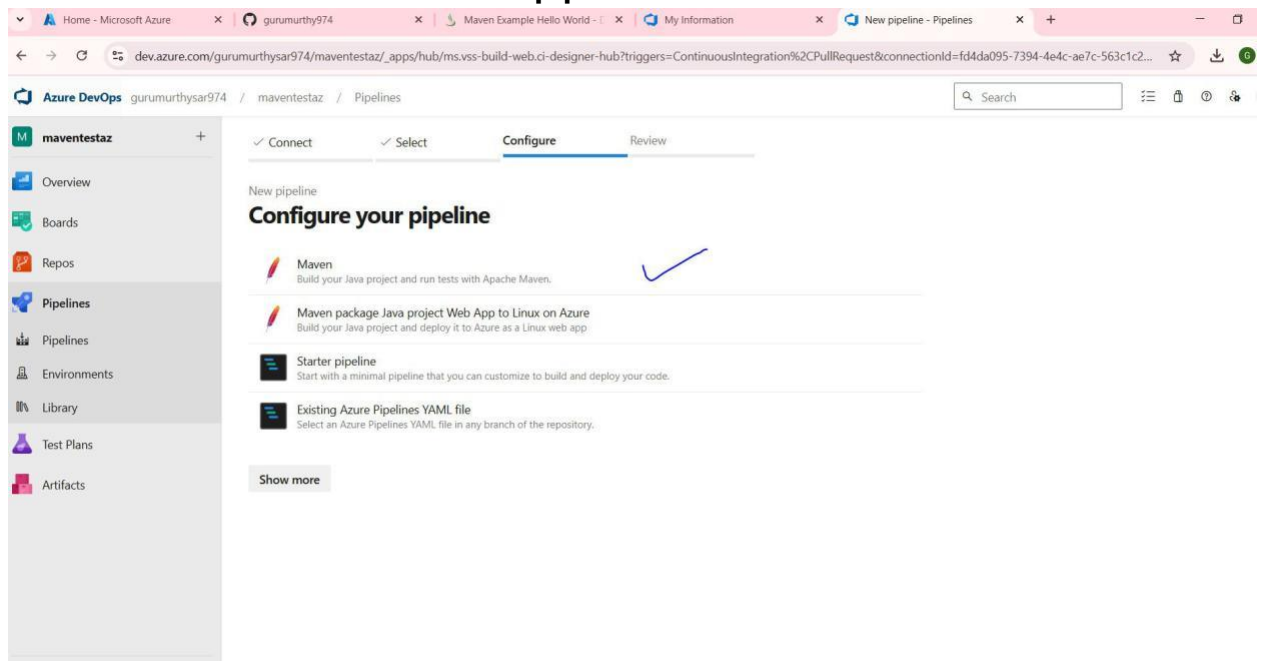
**Uninstall "Azure Pipelines"**

This will remove the app and revoke access to all resources.

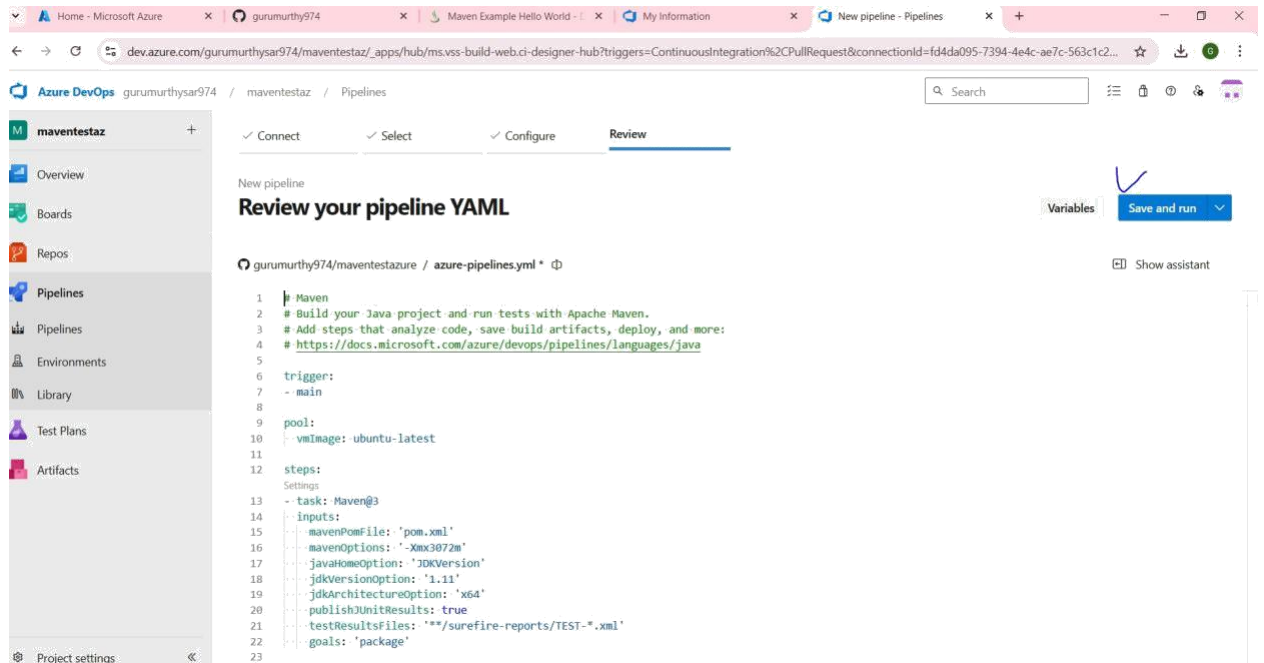
Uninstall

© 2025 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

## STEP9: It again verifies signin verification of microsoft account You be able to see starter pipeline select for Maven



After selecting maven it asks for save and run just click on it



Finally You be able to see tasks running its failed bec we shld mention proper path For pom.xml

Summary

Code Coverage

Manually run by Gurumurthy Saralaya

View change

Repository and version

Time started and elapsed

Related

Tests and coverage

gurumurthy974/maventestazure

Just now

0 work items

0 artifacts

main

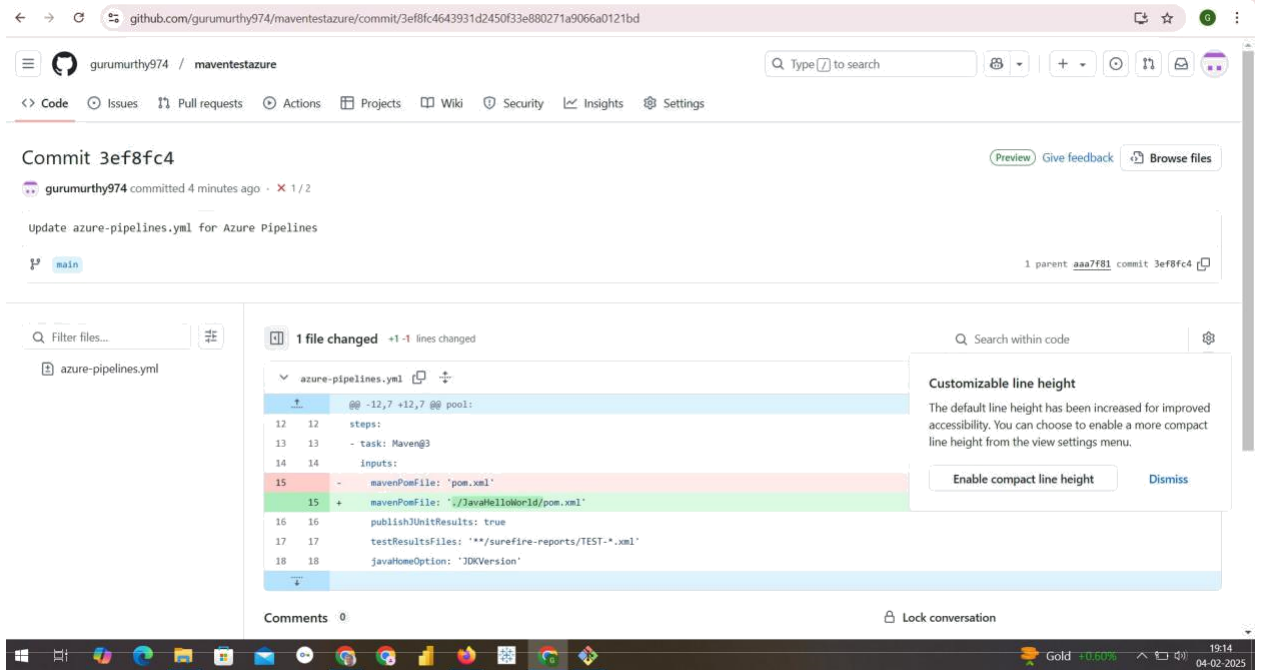
f6a6b586

30s

Get started

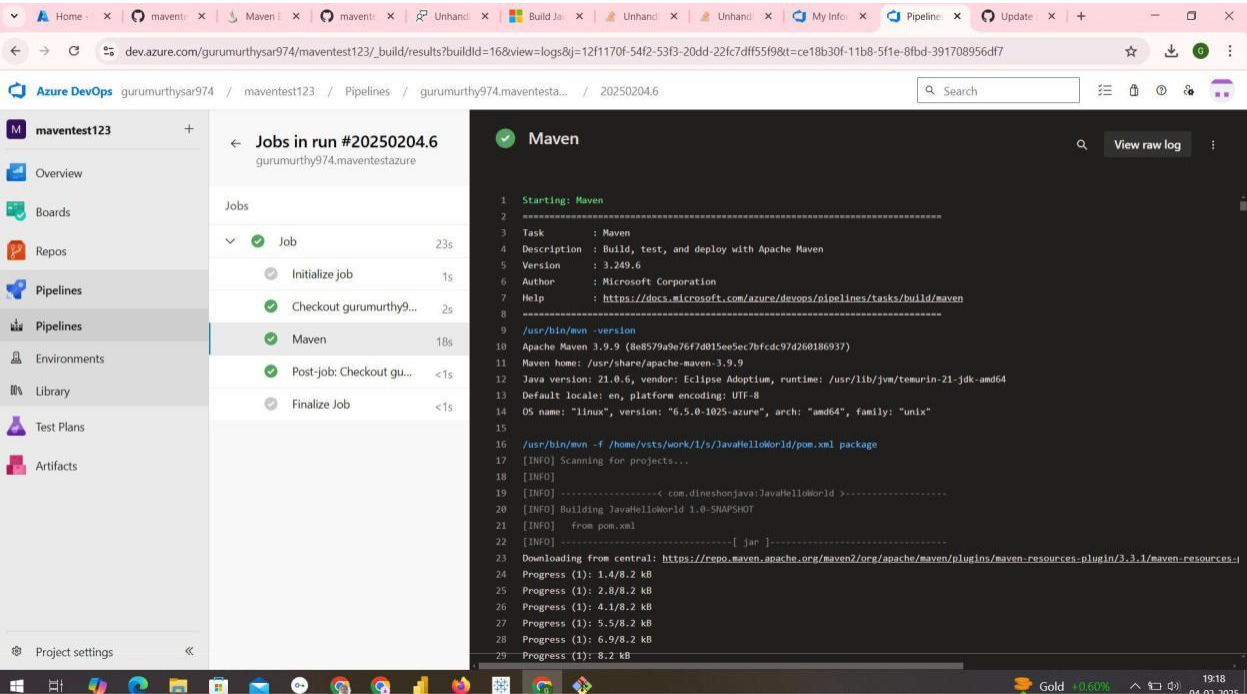
Errors 2

Warnings 2



The commits will also be visible in github

## WE can download and also see individual Raw Log Reports

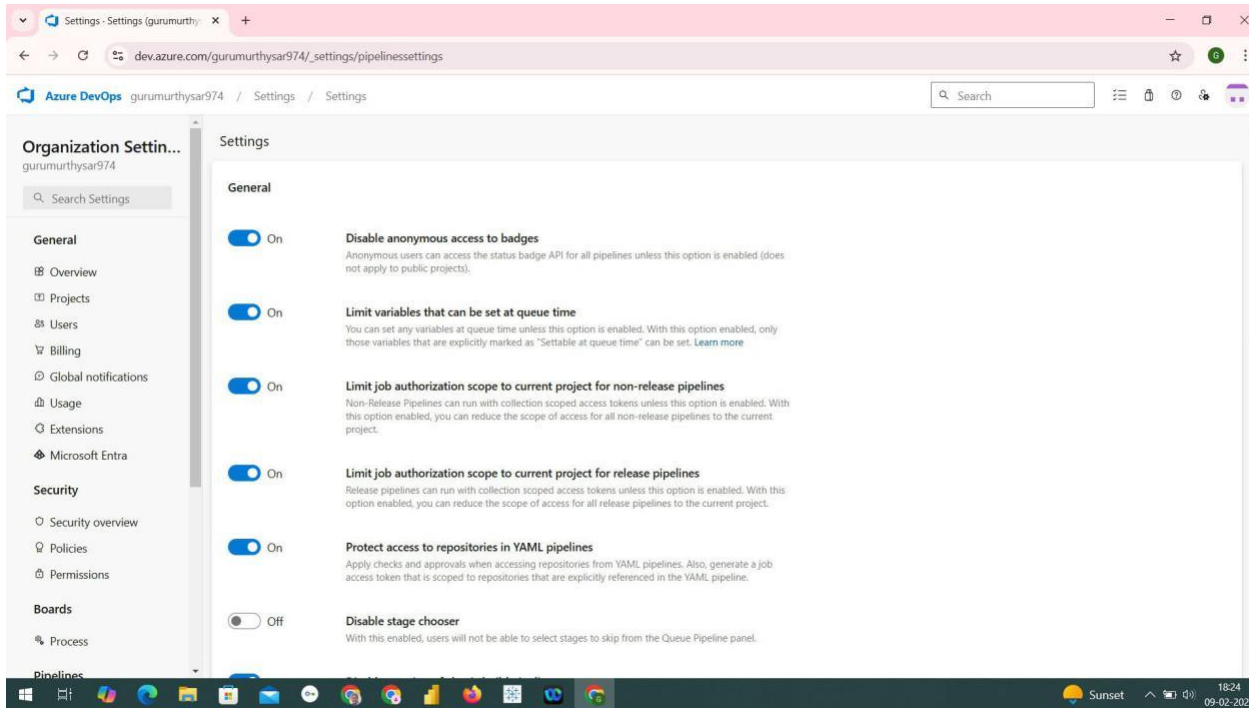


If pipeline permission error comes please complete the registration form of Parallel Jobs after 2 working days(48hrs) u be able to run pipelines for private projects same happens to be for public Projects.

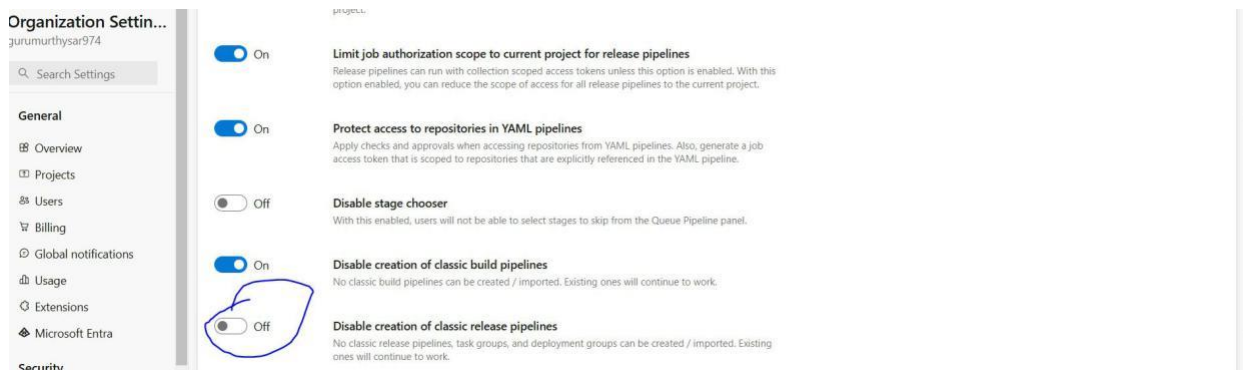


## **Program11: Creating Release Pipelines: Deploying Applications to Azure App Services, Managing Secrets and Configuration with Azure Key Vault, Hands-On: Continuous Deployment with Azure Pipelines.**

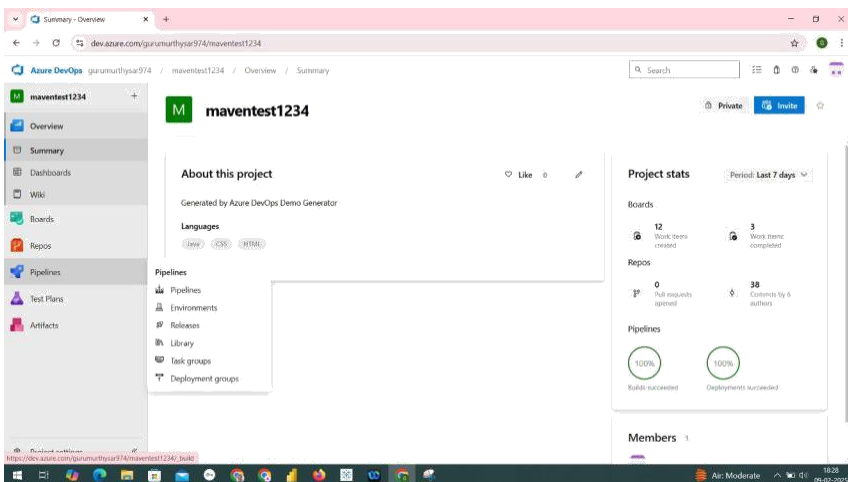
**STEP1: Click on Organization setting and click on Pipeline Settings You get screen as in below**



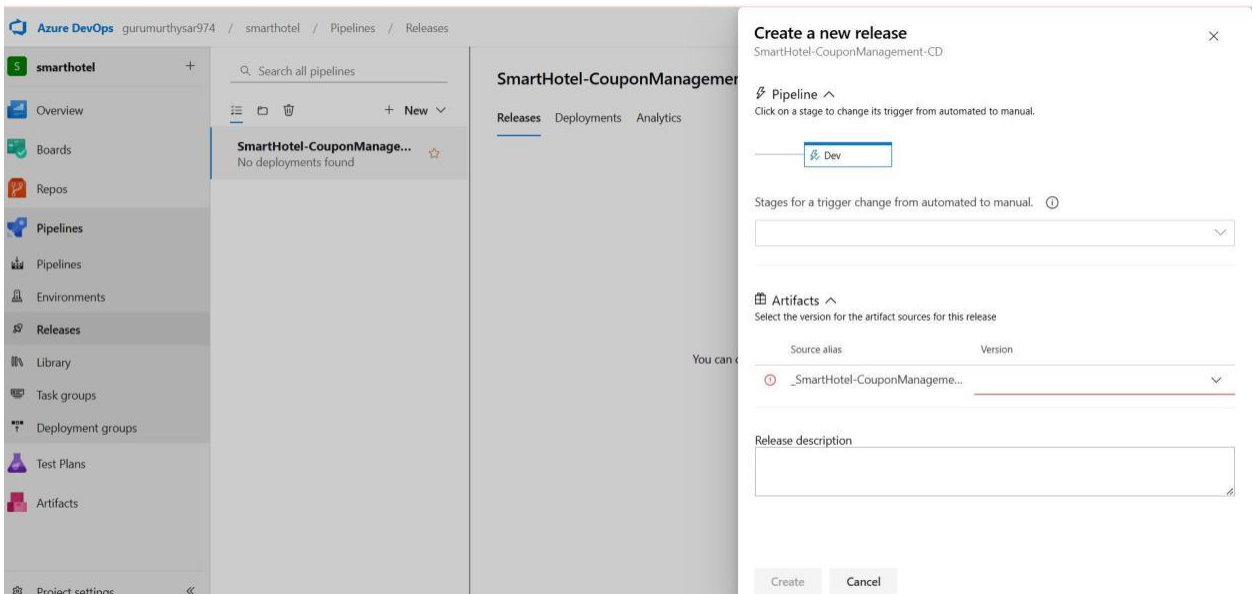
**STEP2: Off the Disable creation of classic pipeline**



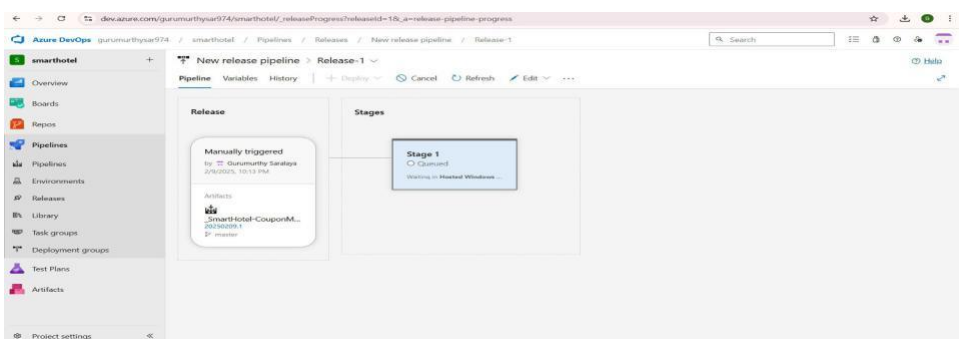
**STEP3: NOW you be able to see the visibility of Release for any pipeline creation as in screen below.**

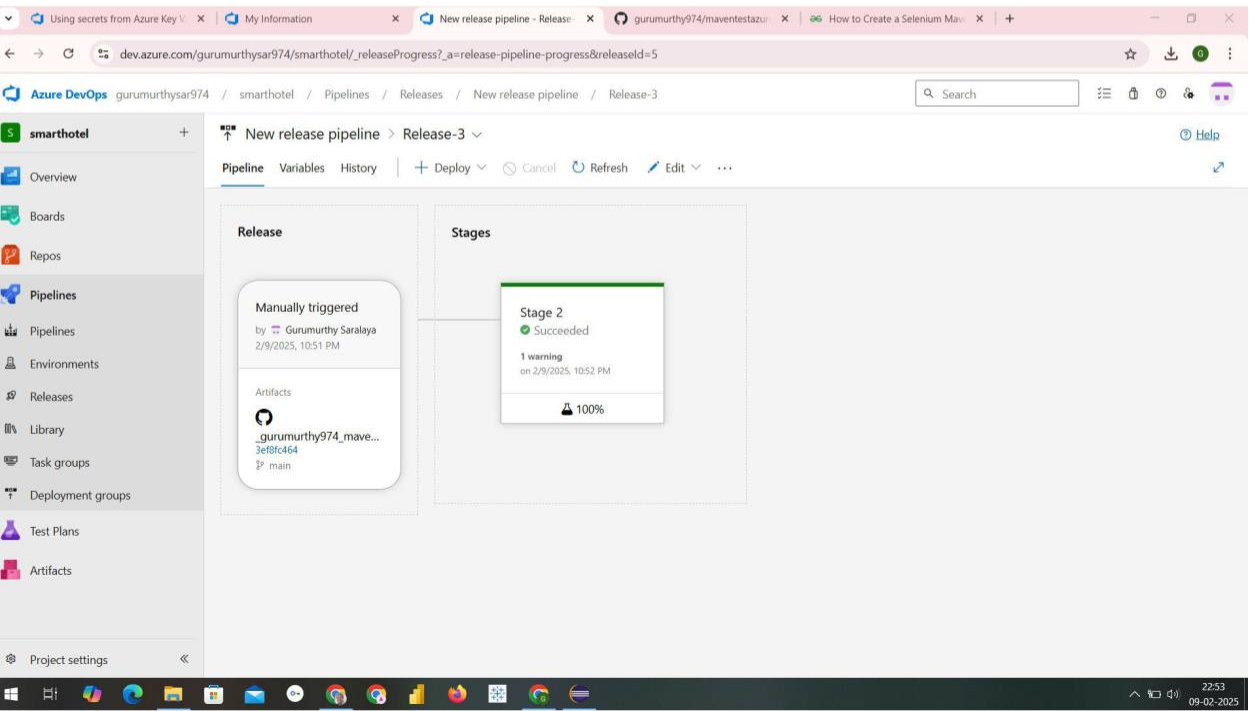
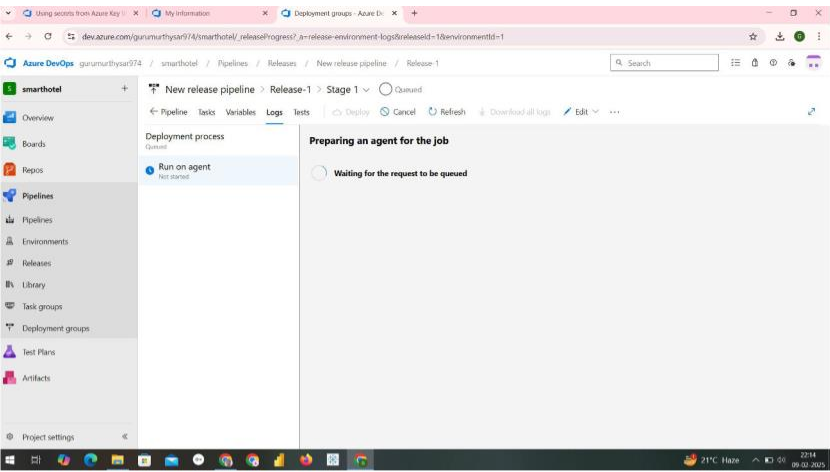


## STEP4: You can run simple test plans



## We can build tasks and run them





We can see our Agent Job releases logs

Deployment process  
succeeded

Agent job  
Succeeded · 1 warning

Agent job			Started: 2/9/2025, 10:52:10 PM
Pool: Hosted Windows 2019 with ... · Agent: Hosted Agent			... 44s
✓ Initialize job · succeeded			7s
✓ Download Artifacts · succeeded			4s
✓ Maven D:\a\r1\a\_gurumurthy974_maventestazure\JavaHelloWorld\pom.xml · succeeded 1 warning			32s
✓ Finalize Job · succeeded			<1s