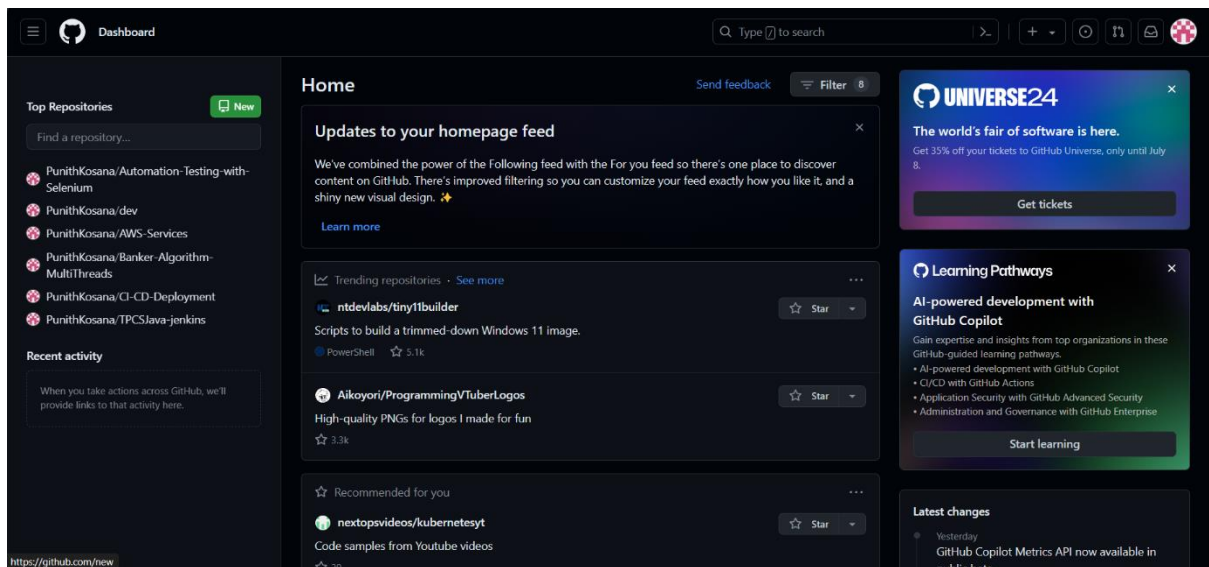
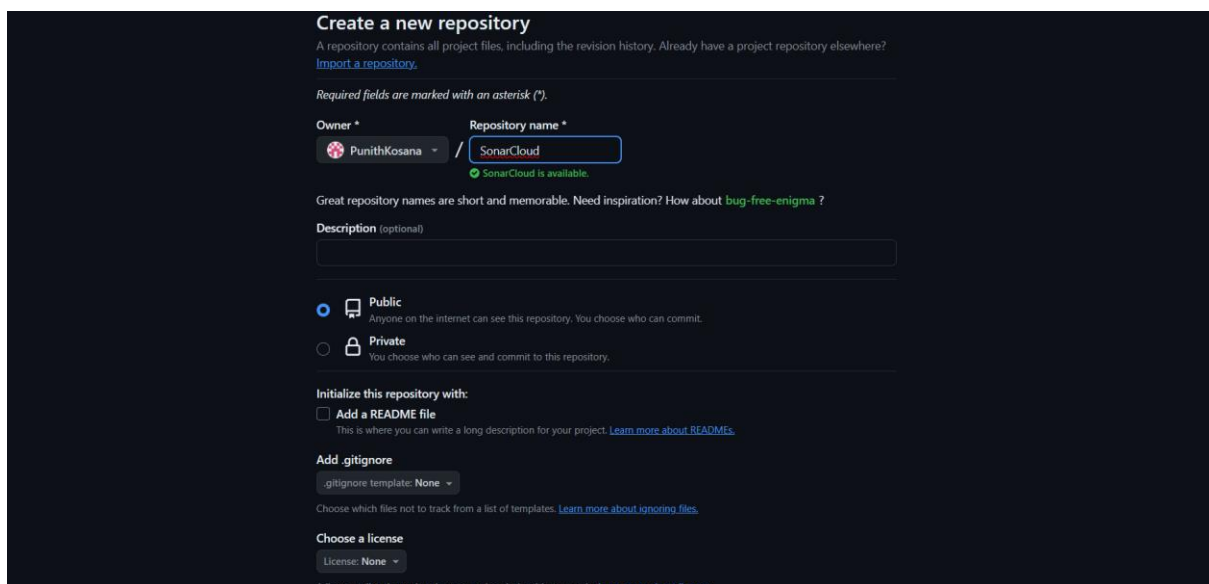


# Creating Github Actions Pipeline and testing code in SonarCloud

Open github.com and login into it. This is how github dashboard looks like. Choose New to create new repository.



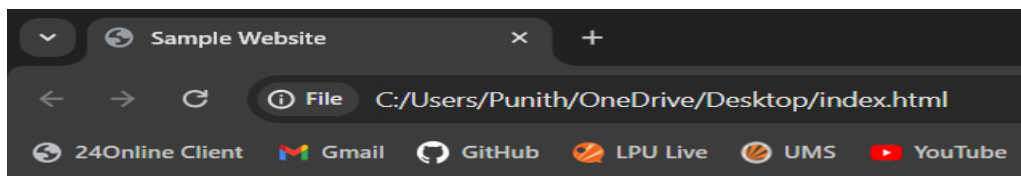
Name the repository and make it public, so that it is accessible to everyone. Choose create repository.



This is the index.html file that we are going to deploy into github pages and test the code in SonarCloud.

```
<> index.html X
C: > Users > Punith > OneDrive > Desktop > <> index.html
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Sample Website</title>
5  </head>
6  <body>
7  |   <h1>Welcome to my Website!</h1>
8  |   <p>This is a very basic HTML website</p>
9  </body>
10 </html>
11
```

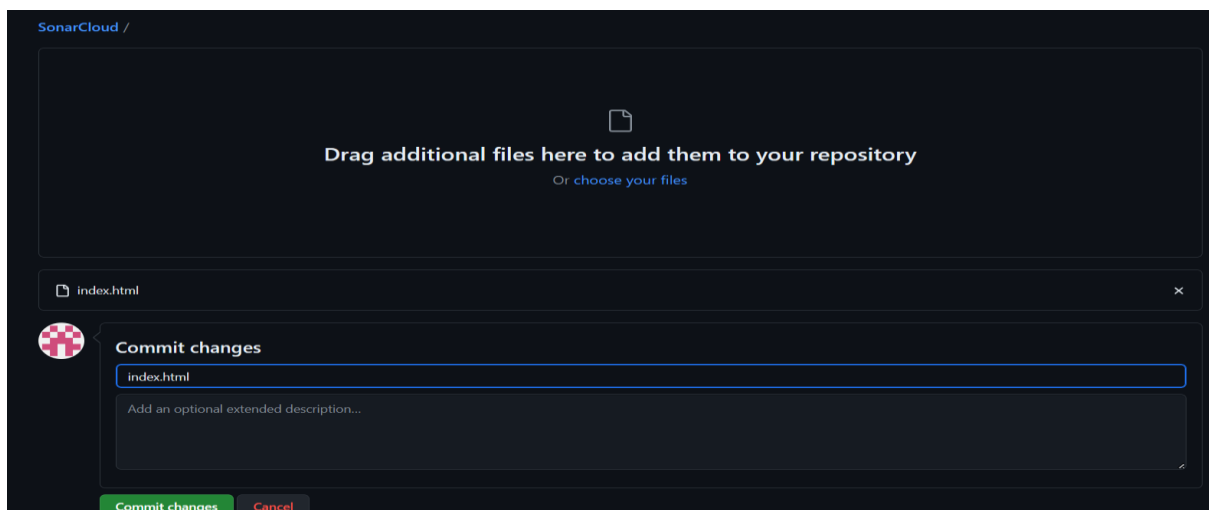
This is how website looks like.



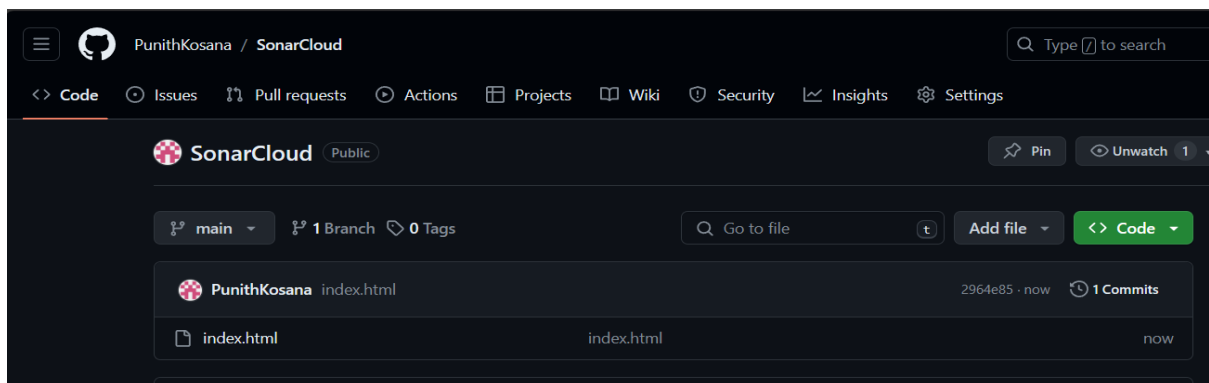
# Welcome to my Website!

This is a very basic HTML website

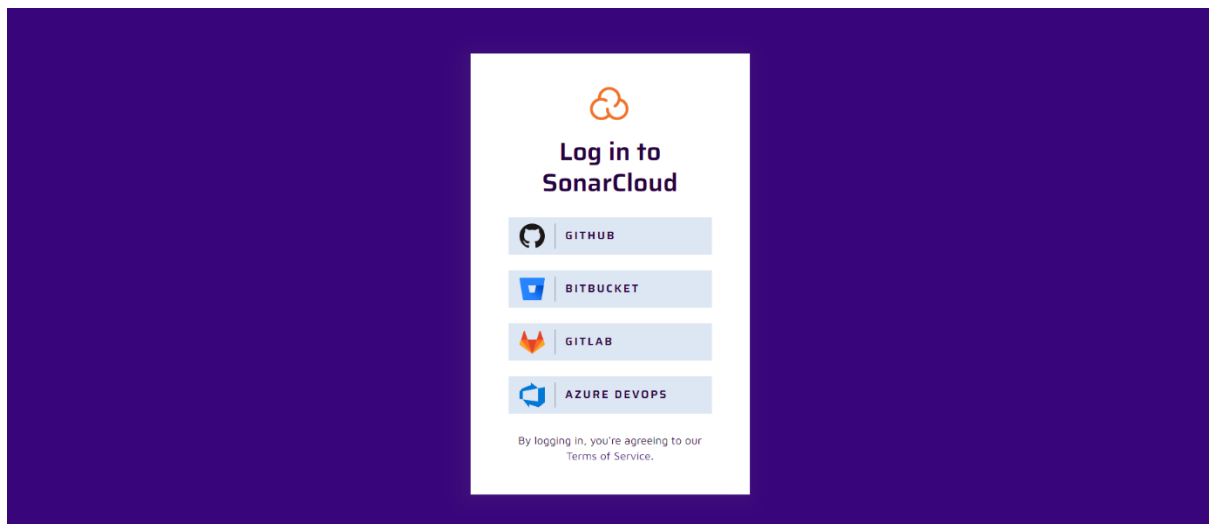
Add the file and commit changes.



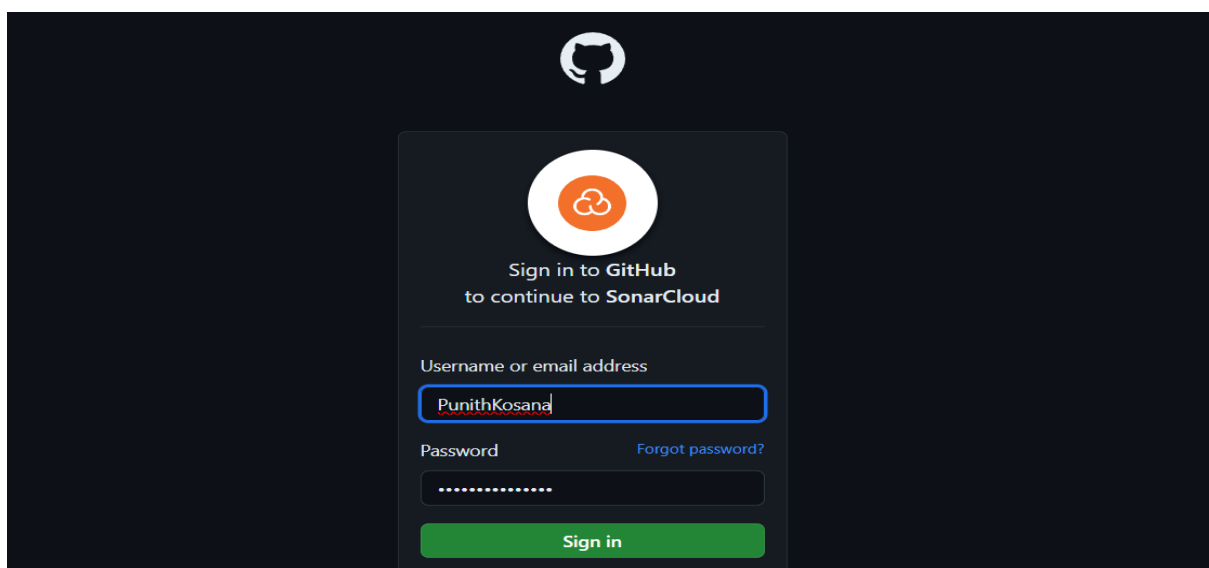
The file is successfully pushed to the github repository.



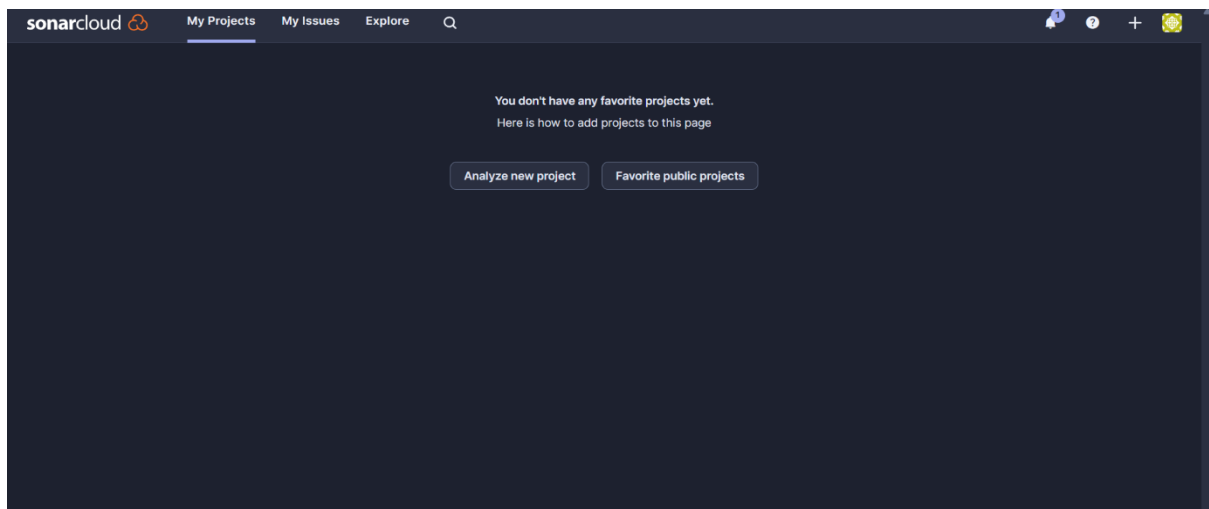
Now, open sonarcloud.io and login into it with github. Sonarcloud is an online version of SonarQube and it is an cloud-based platform to test the code and debug.



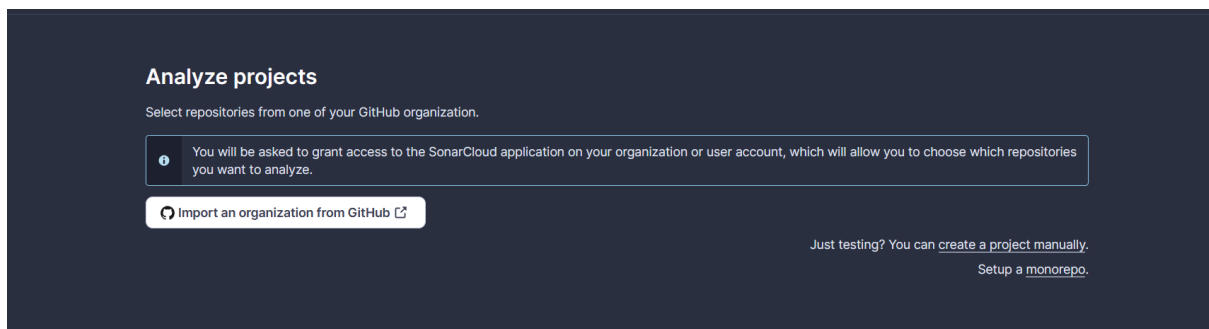
It will ask for login credentials of github. Enter them and choose sign in.



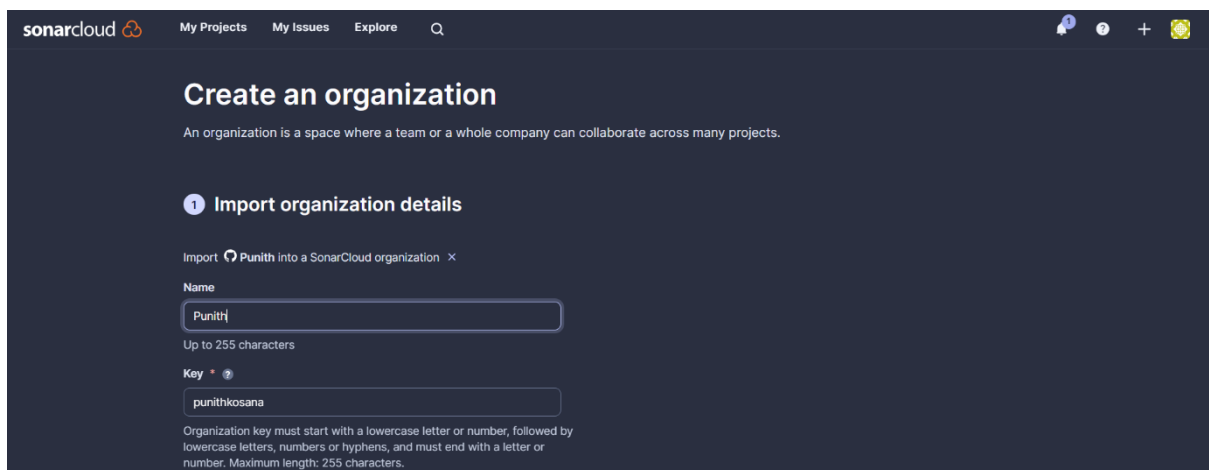
This is how sonarcloud dashboard looks like. Choose Analyse new project.



Choose import an organization from github.



Name the organization.



Choose free plan. And create organization.

## 2 Choose a plan

☒ **Free plan** 0 €

Suitable for individual developers, students, teachers and open-source projects

- ✓ Unlimited public\* (open-source) projects
- ✓ Unlimited scans for your public projects
- ✓ Unlimited users

\* anyone visiting SonarCloud can view your source-code, projects and issues

☐ **Paid plan** from 11 € / month ?

Suitable for professional developers, teams of private companies, businesses and organizations

- ✓ Strict control over who can view and access your source-code, projects and issues
- ✓ Unlimited scans for private & public projects
- ✓ Unlimited users
- ✓ **Your first 14 days are free** - no commitment, cancel any time

[View FAQs](#)

What features are available in both free and paid plans? >

Create Organization

Select the repository that have been created to test. Choose Set Up.

## Analyze projects

Select repositories from one of your GitHub organization.

**Organization**

Punith

[Import another organization](#)

☒ SonarCloud

Don't see your repo? Check your [GitHub app configuration](#).

**1 repository selected**

1 repository will be created as a public project on SonarCloud

[Set Up](#)

Just testing? You can [create a project manually](#).  
Setup a [monorepo](#).

Choose previous version and create the project.

sonarcloud

My Projects My Issues Explore

This can help you use the Clean as You Code methodology consistently across projects.  
Punith - Administration - New Code

The new code for this project will be based on:

☒ **Previous version**

Any code that has changed since the previous version is considered new code.  
Recommended for projects following regular versions or releases.

☐ **Number of days**

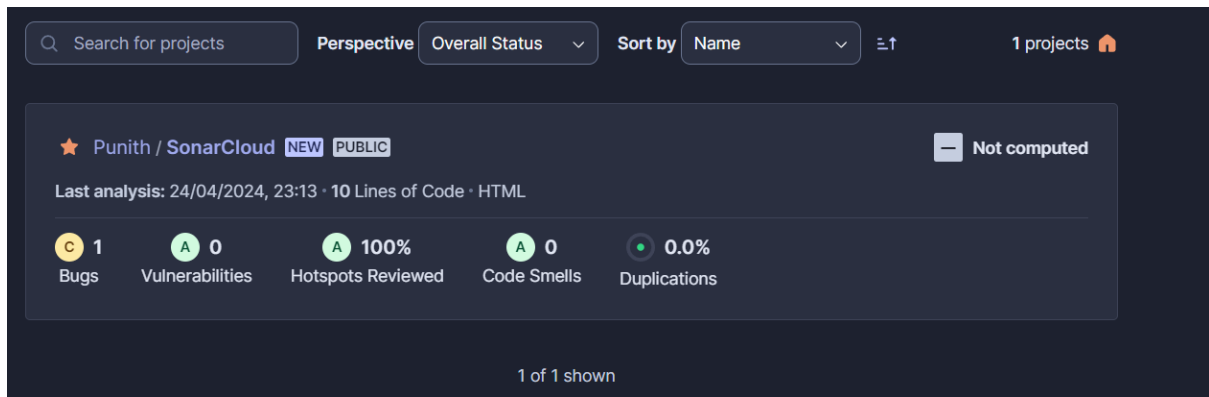
Any code that has changed in the last x days is considered new code. If no action is taken on a new issue after x days, this issue will become part of the overall code.  
Recommended for projects following continuous delivery.

You can change this at any time in the project administration

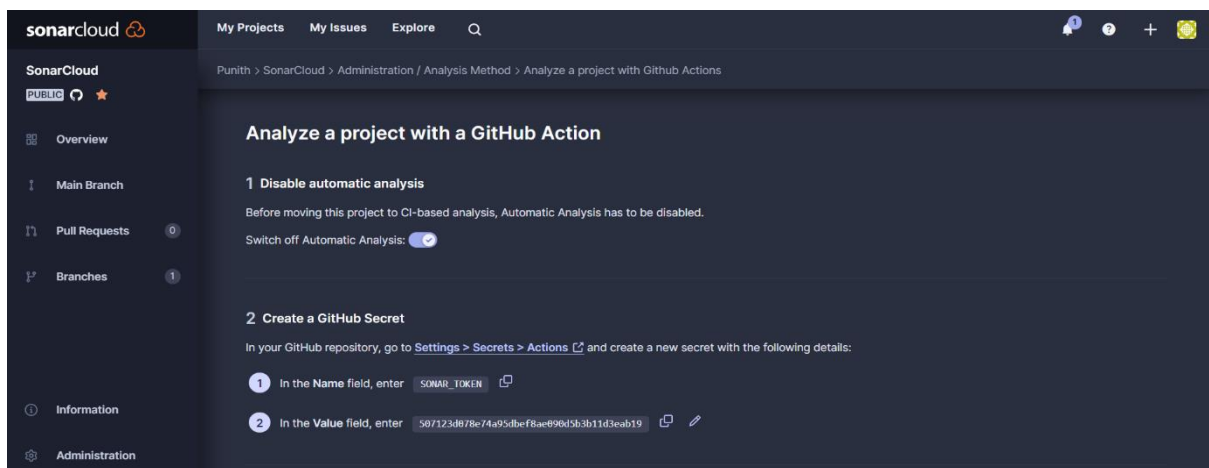
Back

Create project

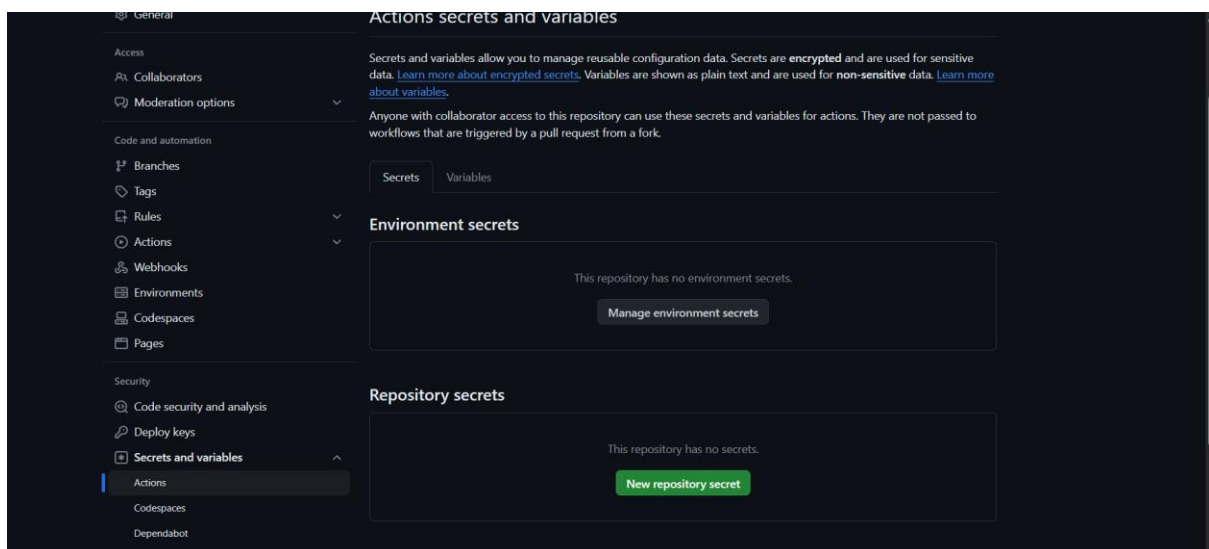
The project have been successfully created.



To analyze the project, add the Secret key to the repo from sonarcloud.  
Enter the details correctly of the Name and Value.



Go to Secrets and variables and choose actions. Choose new repository secret.



Enter the Name and Value from sonarcloud. Choose Add secret.

## Actions secrets / New secret

Name \*

SONAR\_TOKEN

Secret \*

507123d078e74a95dbef8ae090d5b3b11d3eab19

Add secret

Go to setting of the repo and choose Github pages. Configure Static HTML to deploy the website into Github pages.

PunithKosana / SonarCloud

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

GitHub Pages source saved.

### GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

#### Build and deployment

Source

GitHub Actions

Use a suggested workflow, [browse all workflows](#), or [create your own](#).

GitHub Pages Jekyll

By GitHub Actions

Package a Jekyll site with GitHub Pages dependencies preinstalled.

Configure

Static HTML

By GitHub Actions

Deploy static files in a repository without a build.

Configure

This is code used to deploy. Choose commit changes.

SonarCloud / .github / workflows / static.yml in main

Cancel changes Commit changes...

Edit Preview Code 55% faster with GitHub Copilot

```

19 # Please only use 'concurrency' to group runs as we want to allow these production deployments to complete.
20 # However, do NOT cancel in-progress runs as we want to allow these production deployments to complete.
21 concurrency:
22   group: "pages"
23   cancel-in-progress: false
24
25 jobs:
26   # Single deploy job since we're just deploying
27   deploy:
28     environment:
29       name: github-pages
30       url: ${ steps.deployment.outputs.page_url }
31     runs-on: ubuntu-latest
32     steps:
33       - name: Checkout
34         uses: actions/checkout@v4
35       - name: Setup Pages
36         uses: actions/configure-pages@v5
37       - name: Upload artifact
38         uses: actions/upload-pages-artifact@v3
39       with:
40         # Upload entire repository

```

Use **Control + Shift + M** to toggle the **tab** key moving focus. Alternatively, use **esc** then **tab** to move to the next interactive element on the page.

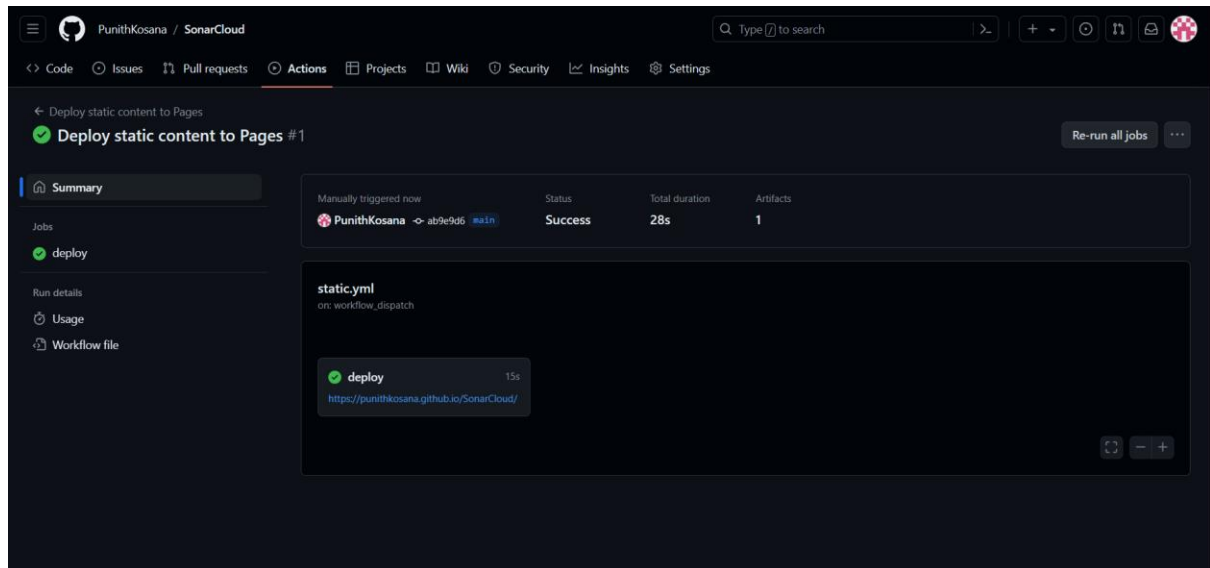
Marketplace Documentation

Search Marketplace for Actions

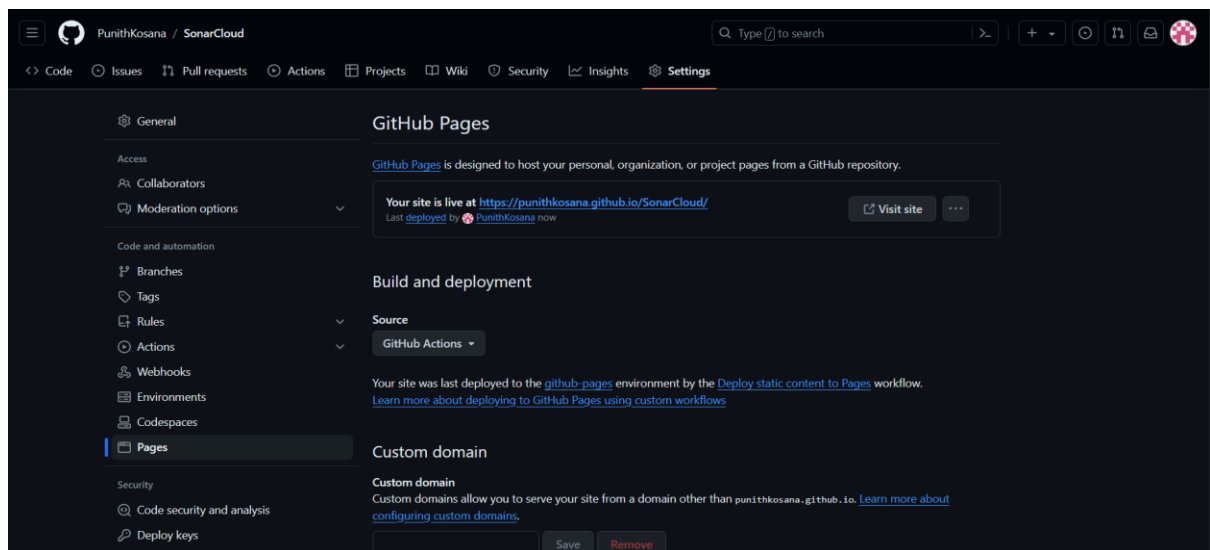
#### Featured Actions

- Cache** By actions 4.3k  
Cache artifacts like dependencies and build outputs to improve workflow execution time
- Upload a Build Artifact** By actions 2.9k  
Upload a build artifact that can be used by subsequent workflow steps
- Close Stale Issues** By actions 1.3k  
Close issues and pull requests with no recent activity
- Download a Build Artifact** By actions 1.3k  
Download a build artifact that was previously uploaded in the workflow by the upload-artifact

After committing changes, we can see the repo has build successfully and deployed to github pages.

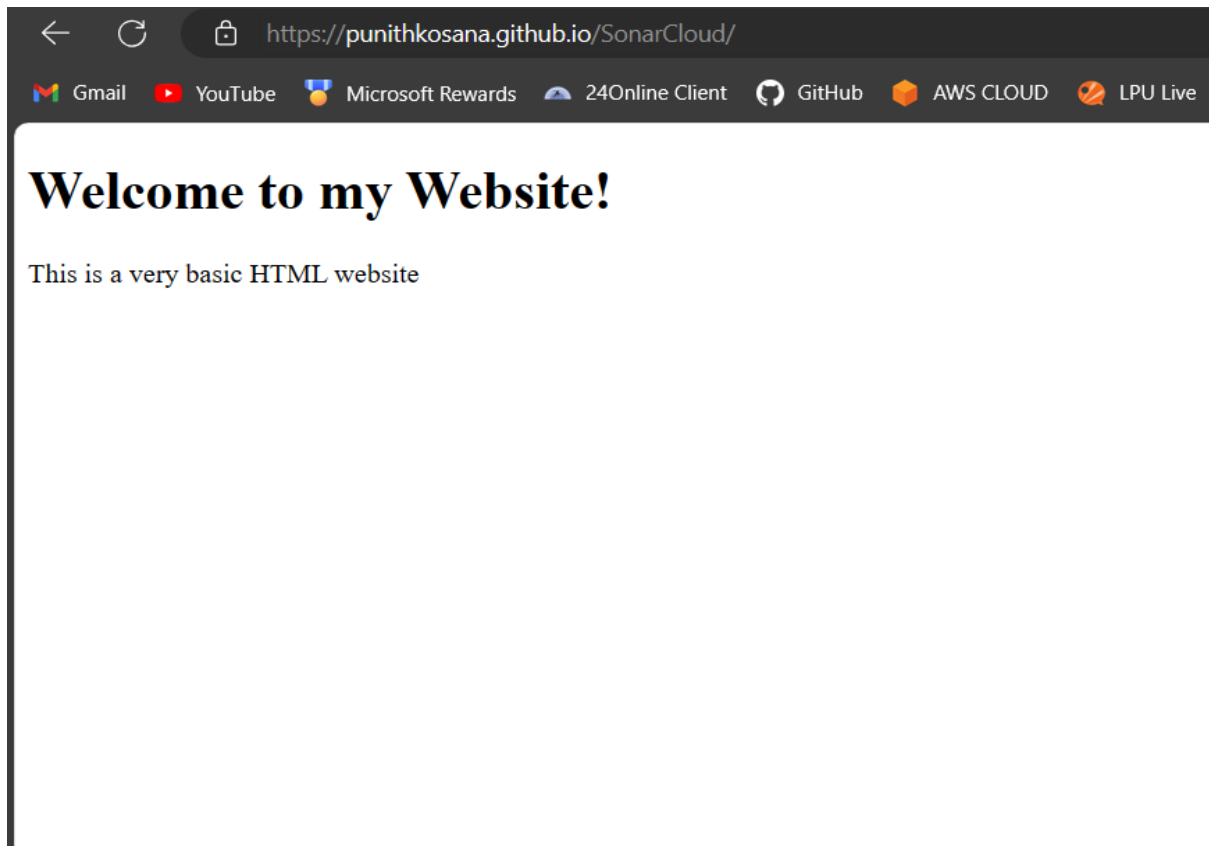


We can see the website is live. Choose visit site.



The website have been successfully deployed and we can see the url of website have been changed to the repository name.





Navigate to sonarcloud and we can see the code tests are passed.

