

AI-Driven Development - 30-Day Challenge-Task-6

Task 6 - GitHub x MCP Integration (Hosted Method)

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⌚ Deadline: 48 Hours

Slot:(Friday 6–9 PM)

🎯 Task Objective

Students will connect GitHub MCP Server with the Google Gemini CLI using the Hosted (Remote) MCP Server.

This method does not require Docker or MCP installation - it's the simplest method.

After completing this task, AI will be able to read repositories and interact with GitHub.

Here are the images:

The screenshot shows the GitHub Developer Settings page at github.com/settings/tokens. The left sidebar has sections for GitHub Apps, OAuth Apps, and Personal access tokens. The Personal access tokens section is expanded, showing a list of tokens. One token, "Gemini-MCP-Token" for the "repo" scope, is listed with the status "Never used" and a "Delete" button. A note below the token says "This token has no expiration date." At the bottom of the token list, there is a explanatory text box: "Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#)."

The screenshot shows the GitHub Developer Settings page under Personal access tokens. It lists two tokens: "Github-MCP-Connection" and "project_4_assignment". Both tokens have a status of "Never used" and a note indicating they have no expiration date or have expired respectively. A "Generate new token" button is visible at the top right.

Fine-grained personal access tokens

Generate new token

Github-MCP-Connection
Never used • This token has no expiration date

project_4_assignment
Never used • This token has expired

The screenshot shows a JSON configuration file in VS Code. The file contains a "github" context with a command "npx" and arguments "-y" and "@modelcontextprotocol/server-github". It also includes an "env" section with a variable "GITHUB_MCP_PATH". The file path is ".env" and it is part of a "tmp" folder. The "tmp" folder also contains other files like ".env", "google_accounts.json", "installation_id", "oauth_creds.json", "settings.json", and "state.json".

```
1 GITHUB_MCP_PATH=
```

```
27     "github": {
28         "command": "npx",
29         "args": [
30             "-y",
31             "@modelcontextprotocol/server-github",
32             "env": [
33                 "GITHUB_MCP_PATH": "${GITHUB_MCP_PATH}"
34             ]
35         }
36     }
37 }
```

.env

tmp

.env

google_accounts.json

installation_id

oauth_creds.json

settings.json

state.json

```
C:\Windows\system32\cmd.exe
❯ GEMINI

Tips for getting started:
1. Ask questions, edit files, or run commands.
2. Be specific for the best results.
3. Create GEMINI.md files to customize your interactions with Gemini.
4. ./help for more information.

> /mcp

Configured MCP servers:

context7 - Ready (2 tools)
Tools:
- get-library-docs
- resolve-library-id

github - Ready (26 tools)
Tools:
- add_issue_comment
- create_branch
- create_issue
- create_or_update_file
- create_pull_request
- create_pull_request_review
- create_repository
- fork_repository
- get_file_contents
- get_issue
- get_pull_request
- get_pull_request_comments
- get_pull_request_files
- get_pull_request_reviews

Windows PowerShell
npm error 404
npm error 404 Note that you can also install from a
npm error 404 tarball, folder, http url, or git url.
npm error A complete log of this run can be found in: C:\Users\WAQEEB\AppData\Local\npm-cache\_logs\2025-11-26T22_15_20_666Z-debug-0.log

GoogleSearch Searching the web for: "Google Generative AI CLI npm package"
Search results for "Google Generative AI CLI npm package" returned.

Shell npm install -g @google/gemini-cli [current working directory C:\Users\WAQEEB\.gemini] (Install the official Google Gemini CLI globally.)

npm warn deprecated node-domexception@1.0.0: Use your platform's native DOMException instead
npm warn cleanup Failed to remove some directories [
npm warn cleanup [
  'C:\\\\Users\\\\WAQEEB\\\\AppData\\\\Roaming\\\\npm\\\\node_modules\\\\@google\\\\.gemini-cli-l3zcU7vg',
  [Error: EPERM: operation not permitted, unlink 'C:\\\\Users\\\\WAQEEB\\\\AppData\\\\Roaming\\\\npm\\\\node_modules\\\\@google\\\\.gemini-cli-l3zcU7vg\\\\node_mod
ules\\\\@lydell\\\\node-pty-win32-x64\\\\conpty.node'] {
    errno: -4048,
    code: 'EPERM',
    syscall: 'unlink',
    path: 'C:\\\\Users\\\\WAQEEB\\\\AppData\\\\Roaming\\\\npm\\\\node_modules\\\\@google\\\\.gemini-cli-l3zcU7vg\\\\node_modules\\\\@lydell\\\\node-pty-win32-
x64\\\\conpty.node'
  }
  npm warn cleanup ]
  npm warn cleanup ]
]

changed 576 packages in 2m

151 packages are looking for funding
  run 'npm fund' for details

I have successfully installed the @google/gemini-cli globally.

Using: 2 MCP servers
> Press 'i' for INSERT mode and 'Esc' for NORMAL mode.

[INSERT] ~\.gemini                                         auto
```

The screenshot shows the VS Code interface. The left sidebar displays the file structure with 'settings.json' and '.env' files open. The main editor area shows the content of 'settings.json'. The terminal at the bottom has the command 'PS C:\Users\WAQEEB\.gemini' running.

```
14     },
15   },
16   "mcpServers": {
17     "context7": {
18       "command": "npx",
19       "args": [
20         "-y",
21         "@upstash/context7-mcp"
22       ],
23       "env": {
24         "CONTEXT7_API_KEY": "REDACTED"
25       }
26     },
27     "github": {
28       "httpurl": "https://api.githubcopilot.com/mcp",
29       "headers": [
30         "Authorization": "Bearer ${GITHUB_MCP_PAT}"
31       ]
32     }
33   }
34 }
```

Here are some of your GitHub repositories:

- * commandline-simpleCalculator: This is command line simple calculator
- * class7_governor_it_class7_material
- * mindset-challenge: first assingment of Q3 using streamlit - mindset-challenge
- * ramadan-coding-night-python: Ramadan python coding nights with sir Asharib
- * governor-IT-class1: (No description)
- * portfolio: (No description)
- * class3: My class third at governor house
- * personal-resume: (No description)
- * hackathon2: (No description)
- * atm-abstraction: (No description)
- * my-javascript-coding: (No description)
- * AI-multi-agents: (No description)
- * punchvector: project of punc n vector
- * career-agent: (No description)
- * travel-designer-agent: (No description)
- * mygithub-learning: starting learning git and git hub
- * open-router-agent1: (No description)
- * toolist: (No description)
- * hackathon-milestone2-dynamic-cv: my hackathon milestone2
- * password-checker: 3rd assingment by sir zia Q3- password strength meter
- * hackathon-iii: furniture e-commerce market place
- * hello_agent: my first project of AI Agent
- * hackathon-milestone1-static-CV: (No description)
- * kns-numberguessing: This is CLI number guessing game
- * my-first-sanityProject: (No description)
- * problem-solving-challenge: Problem solving challenge given by our GIAIC teachers
- * class8: data of 8th class at govenor house
- * unit-converter: second assignment unit converter
- * responsive: (No description)
- * assam-portfolio: (No description)

There are more repositories if you'd like to see them.What else can I do for you?