

AI-Driven-Development

AI-Driven Development 30-Days Challenge

Day Six ↗

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Class: Friday — 6:00 PM to 9:00 PM
Date: November 25, 2025

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Status: Completed

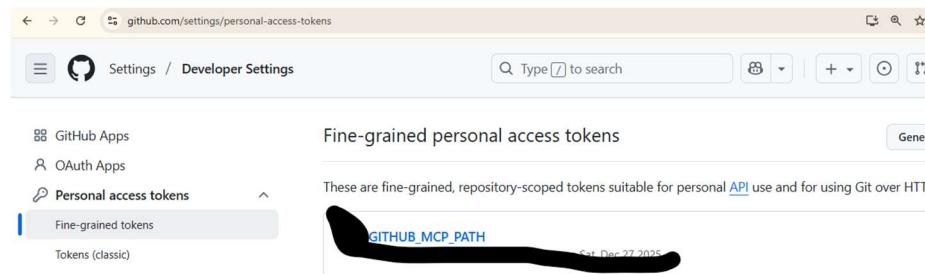
Task 6: Connecting GitHub MCP Server with Gemini CLI

In this task, I successfully connected the GitHub MCP server with Gemini CLI

Step 1 – Generate GitHub Personal Access Token :

First, I generated a personal access token from GitHub .

- Open this link: <https://github.com/settings/personal-access-tokens/new>



Step 2 – Token Store:

- .env

A screenshot of a terminal window with a dark theme. The window title is 'Welcome'. It shows a file named '.env' with the following content:

```
GITHUB_MCP_PATH=g...
```

The file also contains numbers 1, 2, and 3. The terminal interface includes tabs for '.env', 'Readme.md', and 'settings.json'.

After generating the token, I saved it securely:

Step 3 - Connect GitHub MCP Server

I configured the GitHub MCP server with Gemini CLI using the generated token.

- .gemini/settings.json



```
.gemini > {} settings.json > ...
1  {
2   "mcpServers": {
3     "github": {
4       "httpUrl": "https://api.githubcopilot.com/mcp/",
5       "headers": {
6         "Authorization": "Bearer $GITHUB_MCP_PAT"
7       }
8     }
9   }
10 }
```

◆ Step 4 - Restart Gemini CLI

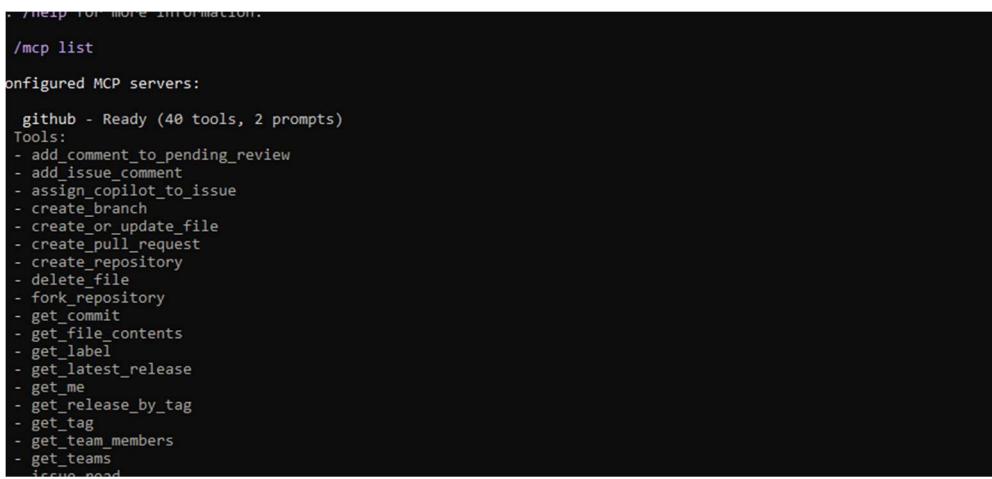
- /restart ...



◆ Step 5 - Verify Connection Run:

To verify the connection, I used the /mcp list command in Gemini CLI:

- /mcp list



```
./help for more information.

/mcp list

configured MCP servers:

github - Ready (40 tools, 2 prompts)
Tools:
- add_comment_to_pending_review
- add_issue_comment
- assign_copilot_to_issue
- create_branch
- create_or_update_file
- create_pull_request
- create_repository
- delete_file
- fork_repository
- get_commit
- get_file_contents
- get_label
- get_latest_release
- get_me
- get_release_by_tag
- get_tag
- get_team_members
- get_teams
- issue_pr
```

◆ Step 6 - List GitHub Repositories

Ask: "List my GitHub repositories"

```
Here are your GitHub repositories as:
* Class-10th-Mond... AI 77-11-24-  METHOD
* Class-6th-Monda... 4. (TypeScript): Use State Management in React to build a Todo List App that allows users to add, edit, delete, and mark tasks with checkboxes, with data saved to a local storage system.
* Class-8th-Topic... 2P (TypeScript): Create a simple todo list application using React and Context API.
* Code_With_Hurry... t
* Student-Manageme... 1
* New-Bank-Project... 0. (TypeScript): Build a simple bank management system.
* Classss-5th07-10... pe
* E-Commerce-Blog-S... las 6 (.js)
* Assignment-6th-Cl... ma-wk
* GIAIC-Q4 (Python)... Agen
* 45-Assignment (Java... t): 45
* Assignment-3rd-cla... ting- (TypeScript): In Next.js routing, pages are created through the file 'index.js' located in the 'pages' directory.
* Assignment-1st-cla... classic "Hello World" program. Given by Sir Naveen. This means this feels like a sample code.
* Instagram (Python)... seEffect
* AI-Driven_Developme... +hon): Welcome to my AI-driven development journey.
* Class-7th-Monday-useefit...
```

Conclusion

CLI ke through GitHub successfully connect ho gaya hai.
