

## AI-Driven-Development

### AI-Driven Development 30-Days Challenge

#### Day Six 🦾

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**Instructor:** Sir Hamzah Syed  
**Class:** Friday — 6:00 PM to 9:00 PM  
**Date:** November 25, 2025

**Submission Date:** November 27, 2025  
**Status:** Completed

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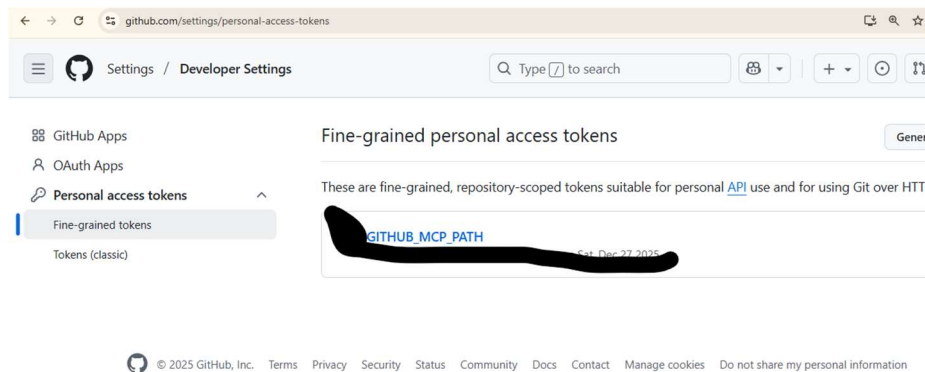
### Task 6: Connecting GitHub MCP Server with Gemini CLI

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

#### Step 1 – Generate GitHub Personal Access Token :

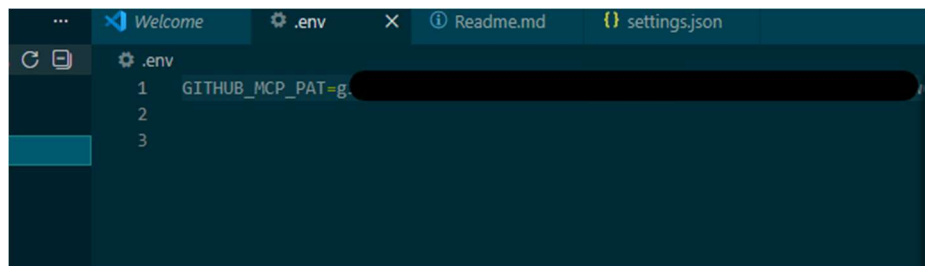
First, I generated a personal access token from GitHub .

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



#### Step 2 – Token Store:

- .env



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 ...`



```
Gemini - folder
> GEMINI

tips for getting started:
. Ask questions, edit files, or run commands.
. Be specific for the best results.
. /help for more information.

Using: 1 GEMINI.md file | 1 MCP server

> Type your message or @path/to/file

E:\AI-Driven_Dev...\..\..\folder          no sandbox (see /docs)          auto
```

### ◆ 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

onfigured 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_read
```

## ◆ Step 6 - List GitHub Repositories

Ask: "List my GitHub repositories"

```
Here are your GitHub repositories:

* Class-10th-Mond... 11-24-... MEHTOD
* Class-6th-Mond... (TypeScript): Use State...
* Class-8th-Topic... 20... List App that allows v... add, edit...
* Code With hurry...
* Student-Managem...
* New-Bank-Project... Bank pro... system."
* Class-5th07-10... Front Handl...
* E-Commerce-Blog... las 6...
* Sanity CMS.
* Assignment-6th-Cl... write (TypeScript): F... highly qual... structures
* GIAIC-Q4 (Python): Agen
* 45-Assignment (Jav... t): 45
* Assignment-3nd-cla... ting- (Type... in Next.js routing, pr... created through the file
  structure, where e...
* Assignment-1st-cl...
  classic "Hello Worl...
  start of mastering...
* Instagram (Python)
* AI-Driven Developme...
  (thon): Welcome to my...
* Class-7th-Monday-use... seEffect
```

## Conclusion

CLI ke through GitHub successfully connect ho gaya hai.

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