

AIDD 30 Days Challenge Task: 6

Connecting GitHub MCP Server with Google Gemini CLI.

I'm writing the complete process as well so anyone new to it will be able to do the same.

Step 1:

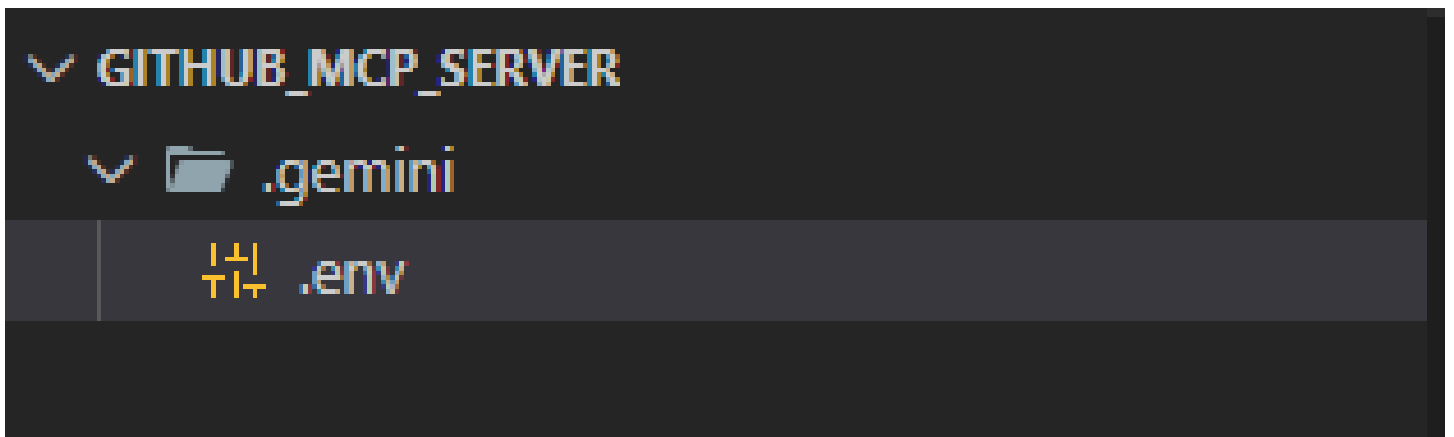
Generation of PAT (Personal Access Token).

To generate it visit <https://github.com/settings/personal-access-tokens/new> and your token. Copy it and save it.

Step 2:

Store your token in .env:

Create a file `.env` in `.gemini` folder to store your PAT.



Now, add your personal access token in it like this:



Step 3:

Configuring Gemini CLI with GitHub MCP Server.

Create a `settings.json` in `.gemini` file and paste the following code.

```
{  
  "mcpServers": {
```

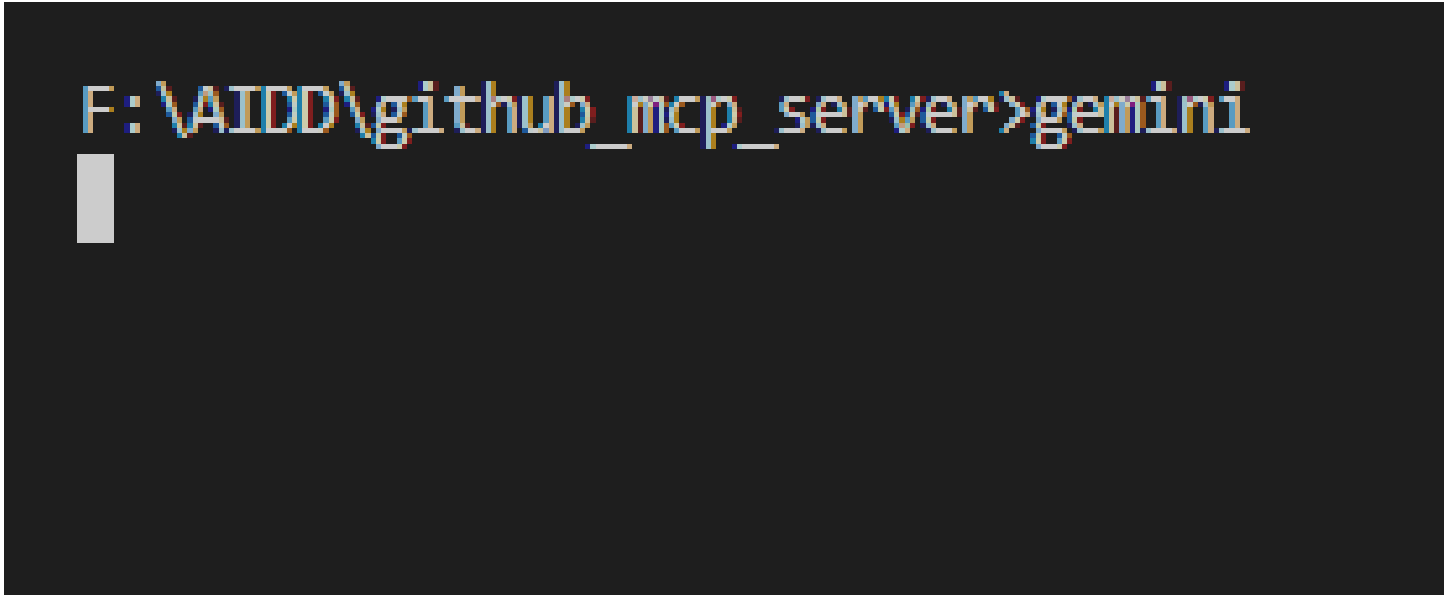
```
"github": {  
  "httpUrl": "https://api.githubcopilot.com/mcp/",  
  "headers": {  
    "Authorization": "Bearer $GITHUB_MCP_PAT"  
  }  
}  
}  
}  
}
```

This will connect the GitHub MCP server with your Gemini CLI.

Step 4:

Start Gemini CLI.

Run gemini in you cmd.



```
F:\AIDD\github_mcp_server>gemini
```

Step 5:

Verifying the connection.

Run /mcp list to check weather the MCP Server is connected or not.

Expected Result:

```
> /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

Step: 6:

Testing the Server.

Ask your CLI “List my GitHub Repositories.”

It will gather all your Repo names and using tools from GitHub MCP Server.

```
✦ Here are your GitHub repositories:
- PYTHON-PROJECTS
- codecommons
- project-calculator
- responsive-grid
- AVION--E-COMMERCE-
- Growth-Mindset-Challenge-Web-App-with-Streamlit
- Secure-Data-Encryption-System-Using-Streamlit
- mutahir-atm
- mutahir-bmi-calculator
- number-guessing-game
- Static-Resume
- responsive-figma-design
- Marketplace-Technical-Foundation--AVION
- project1-calculator
- Kamrantessori.com-Clone
- connect-sindh
- simple-calculator02
- simple-grid
- kokab-cosmetics
- portfolio
- AVION-ADMIN-PANEL
- openrouter-chatbot
- UNIT-CONVERTER-WITH-LLM-INTEGRATION
- GIAIC_Q4_AIDD_30_Days_Challenge
- HTML-CSS-BOOK
- Personal-Portfolio-Tailwind-CSS-
- PERSONAL-LIBRARY-MANAGER
- Resume
- figma-template-assignment
- PASSWORD-STRENGTH-METER
```

Using: 1 GEMINI.md file | 1 MCP server

By the end of this Assignment:

In this assignment we learned how to connect GitHub MCP Server with our Gemini CLI.
From Generating Personal Access Token PAT to have all our repo names.