

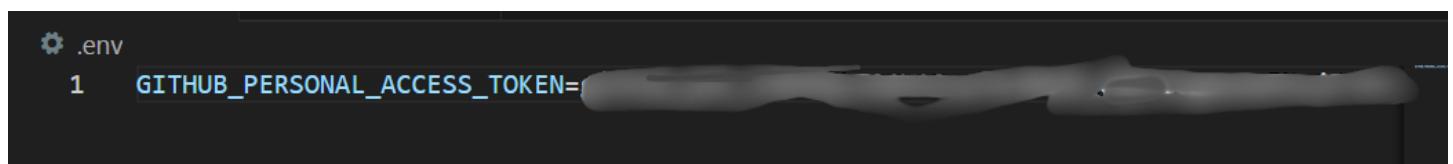
# AI-Driven Development - 30-Day Challenge Task 6

GitHub × MCP Integration (Hosted Method)

Name: ALISHBA ABID

Slot: (Friday 6–9 PM)

## ◆ Step 1 - GitHub Personal Access Token (PAT)



```
⚙️ .env
1 GITHUB_PERSONAL_ACCESS_TOKEN=
```

A screenshot of a terminal window showing the contents of a .env file. The file contains a single line: 'GITHUB\_PERSONAL\_ACCESS\_TOKEN=' followed by a long, redacted string representing a GitHub Personal Access Token.

## ◆ Step 2 - Configure Gemini to Use GitHub MCP Server



```
},
"mcpServers": {
  "github": {
    "command": "npx",
    "args": [
      "-y",
      "@modelcontextprotocol/server-github"
    ],
    "env": {
      "GITHUB_PERSONAL_ACCESS_TOKEN": "${GITHUB_PERSONAL_ACCESS_TOKEN}"
    }
},
```

A screenshot of a JSON configuration file snippet. It defines a 'mcpServers' object with a 'github' key. The 'github' value is an object containing 'command' ('npx'), 'args' (an array with '-y' and '@modelcontextprotocol/server-github'), and 'env' (an object with 'GITHUB\_PERSONAL\_ACCESS\_TOKEN' set to a placeholder \${GITHUB\_PERSONAL\_ACCESS\_TOKEN}).

## ◆ Step 3 - Verify Connection

```
> /mcp list

Configured MCP servers:

● 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
```

## ◆ Step 4 - Test the Server

```
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♦ I found 135 repositories for the user alishbaabid56. Here are a few of them:

* simple_calculator: https://github.com/alishbaabid56/simple_calculator
* Template7_Alishbabid_Hackathon7:
  https://github.com/alishbaabid56/Template7_Alishbabid_Hackathon7
* milestone2resumebyalishbaabid: https://github.com/alishbaabid56/milestone2resumebya
* hackathon_Rental-E--commerce: https://github.com/alishbaabid56/hackathon_Rental-E-
* Assignment_06: https://github.com/alishbaabid56/Assignment_06
* blogapp: https://github.com/alishbaabid56/blogapp
* DAY-1-TO-DAY-7-_Hackathonon: https://github.com/alishbaabid56/DAY-1-TO-DAY-7-_Hacka
* MarketPlace_Hackhathon2025_Rental-E-commerce:
  https://github.com/alishbaabid56/MarketPlace_Hackhathon2025_Rental-E-commerce
* alishbaabid_customcssportolio:
  https://github.com/alishbaabid56/alishbaabid_customcssportolio
* assignment-2_alishbaabid: https://github.com/alishbaabid56/assignment-2_alishbaabid
* Gemini_Chatbot: https://github.com/alishbaabid56/Gemini_Chatbot
```