

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

### AI-Driven Development Challenge

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#### 1) Create Your GitHub Personal Access Token (PAT)

Go to:

github.com → Settings → Developer settings → Personal access tokens → Tokens (classic)

Generate new token → Fine-grained, repo-scoped

Enable:

- repo (Read & Write)

#### 2) Store the Token in a .env File

Create:

.env

Add:

GITHUB\_MCP\_KEY=your\_token\_here

#### 3) Configure Gemini CLI

File: .gemini/settings.json

Paste:

```
{  
  "security": {  
    "auth": {  
      "selectedType": "oauth-personal"  
    }  
  },  
  "mcpServers": {
```

```
"github": {  
  "httpUrl": "https://api.githubcopilot.com/mcp/",  
  "headers": {  
    "Authorization": "GitHub_mcp_key"  
  },  
  "timeout": 200000  
}  
}  
}
```

#### 4) Restart Gemini CLI

Run:

/quit

gemini

#### 5) Verify Connection

Command:

gemini status

Expected:

github — Ready (90+ tools)

#### 6) Test MCP Server

Ask:

List my GitHub repositories.

If repositories are shown:

✓ MCP is fully connected

✓ AI can read, edit, commit, and push

#### Achievements:

- ✓ Full GitHub MCP Integration
- ✓ No Docker required