

Project-5: Learning Path Generator

Prerequisites:

1. **Gemini api Key**
2. **Pipedream authorised YouTube, Google Drive, Notion URLs**

To get the Gemini AI Studio API key:

1. Go to Google AI Studio: Access the Google AI Studio page at [Google AI Studio](#)
2. Log in to your Google account.
3. Get API key: Click on the "Get API key" button, usually found in the left-side navigation panel.
4. Click on the "Create API Key" button, located at the top right.
5. Click on the "Create API Key in the New Project" button (if you have an existing project, you can use the key from that project). It will generate an API key. Click the "Copy" button to copy the key. Click on the "Create API Key in the New Project" button (if you have an existing project, you can use the key from that project). It will generate an API key. Click the "Copy" button to copy the key.

To get the Gemini AI Studio API key: For Pipedream MCP servers:

- [Pipedream](#) navigate and sign in with a Google account

YouTube Data MCP Server: [YouTube Data MCP Server](#)

1. In the Configuration:
 - Connect with your Google account and give all required permissions to access
2. Copy the MCP server URL

Do the same for the drive and notion MCP servers:

[Google Drive MCP Server](#)

[Notion MCP Server](#)

Project Setup Guide:

Prerequisites:

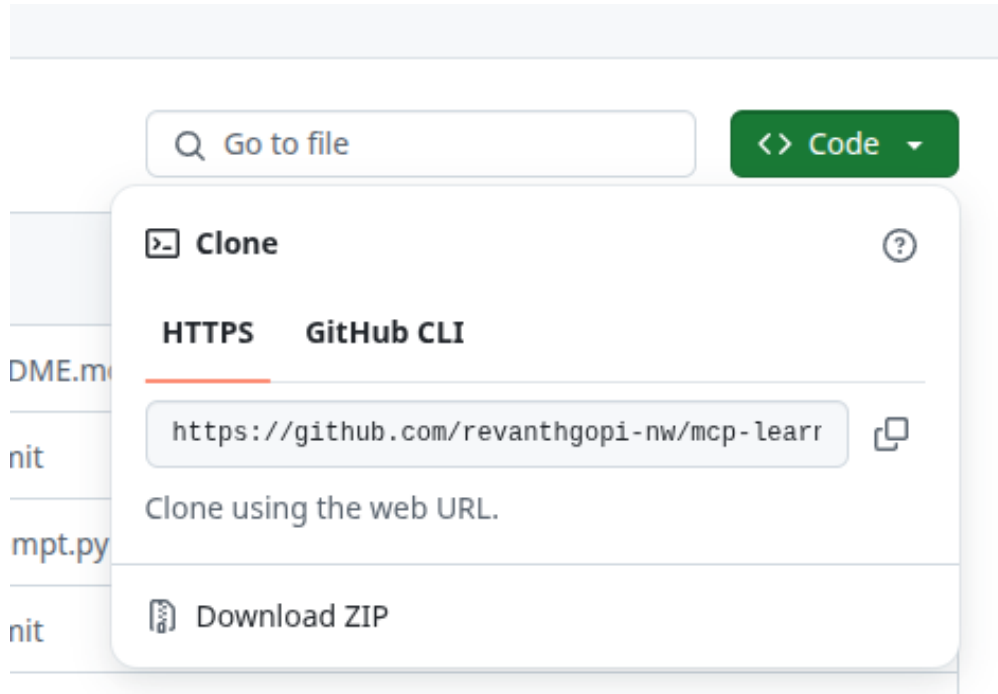
- A terminal or command prompt.
- Cursor IDE
- Python 3.10+ is installed on your system.
- [Python installation in Windows](#)
- [Python installation in Mac](#)
- To update the python latest version: [How to Update Python Version on Windows-Quick Guide](#)

Setup Steps

Follow these steps in your terminal or command prompt:

Step 1: Navigate to Your Home Directory (Optional, but Recommended Starting Point) Step 2: Clone the Git Hub repo link

- Repo Link: [Git Hub repo link](#)
- Click on the “Code” button



- Click on the “Download ZIP”, it will download a zip file to your downloads

- Go to the downloads and “unzip/uncompress” it. It will create a new folder with the same name.

Step 3: Open the Project Folder with the Cursor IDE:

- Open the cursor, click on the “file” (left side, top corner)
- Click on the “Open Folder”, select our unzipped folder
- Now, your project file is open in your Cursor IDE

Step 4: Create a Virtual Environment

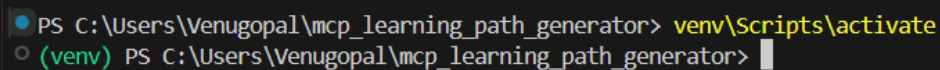
- Run the following command while inside the project directory:
- Explanation: This command uses the venv module from Python's standard library to create a virtual environment named venv inside your current directory (project directory).

Step 5: Activate the Virtual Environment

- **On Ubuntu (or other Linux/macOS):**
- **On Windows: Using Command Prompt (cmd.exe):**

Verification: After activation, your terminal prompt should change, typically showing (venv) at the beginning, like this:

(venv) yourusername@yourcomputer:~/mcplearningpath_generator\$



```
PS C:\Users\Venugopal\mcp_learning_path_generator> venv\Scripts\activate
(venv) PS C:\Users\Venugopal\mcp_learning_path_generator> 
```

Step 6: Install Requirements

- Install the listed packages using pip. Run this command inside the activated virtual environment:

Step 7: Install Requirements

- Run the app.py file from your terminal by using streamlit

The application will be available at [Local Host Streamlit](#) by default.