How to Run the CPS AI Assistant?   
  
**Setup the python environment:**

* Have a machine with Python 3.9 or greater installed.
* Go to the GitHub link to download the zip or clone the repo https://github.com/jibinb961/cps\_assistant\_rag
* Open a terminal on the extracted folder
* Use this comment to create a virtual environment “ python3 -m venv venv”
* Use this comment to activate the environment “source venv/bin/activate”
* Use this comment to install all the python requirements “pip install -r requirements.txt”

**Setup .env file**

* Navigate to the cps\_assistant\_rag folder and open the folder in any code editor.
* Edit file “. env” to add the new Groq Api key.
* Go to groq website to create a new account [https://groq.com](https://groq.com/)
* Navigate to the API keys on the left side to create a new API Key.
* Update the variable in .env file to add GROQ\_API\_KEY=your\_actual\_api\_key\_here
* Save the .env file.

**Setup Ollama locally for running text embedding model**

* Go to Ollama website to create a new account. [https://ollama.com](https://ollama.com/)
* Download the Ollama to your local system
* Continue with the installation
* Open a new terminal and use the following code to install embedding model locally “ollama run nomic-embed-text”

**Setup Streamlit UI**

* Navigate to the dev folder under cps\_assistant\_rag folder
* Open a new terminal and run “streamlit run rag.py”
* This will open a new browser at <http://localhost:8501>
* Note: <http://localhost:8501> is default address given by streamlit.