Project: Develop a Gemini workspace in postman

About me

I am Gautam Bhetanabhotla, a second-year student studying computer science at the International institute of information technology, Hyderabad. My primary interests lie in computer architecture, low-level and high-level software development. Apart from that, I also love singing, dancing, playing the keyboard, playing volleyball and table tennis!

Programming languages: Python, C, C++, x86 assembly, JavaScript
Libraries and frameworks: React, Flutter, Flask, Express, NumPy, Bootstrap, Tailwind, Jest, CUDA, OpenMP, SQL, MongoDB

Relevant skills: Experience with Postman, JavaScript (for Postman scripts), REST APIs, HTTP, previous experience with Gemini APIs, GitHub actions

Contact information

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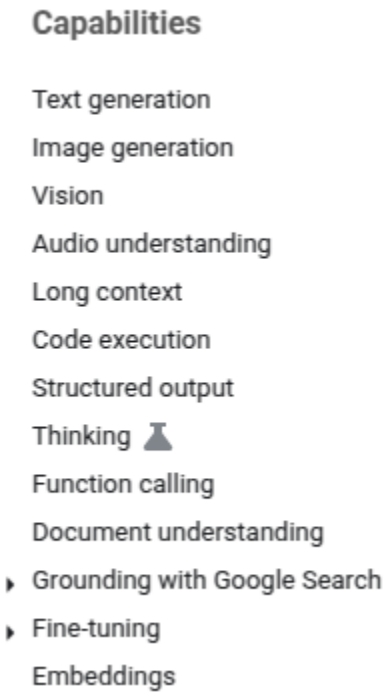
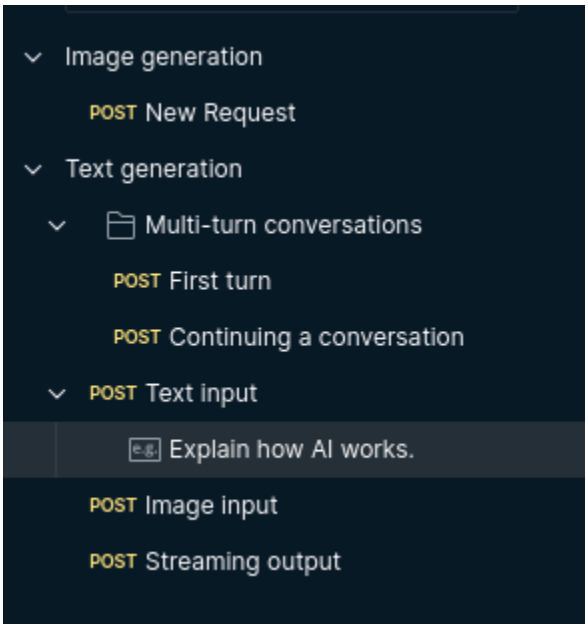
Project deliverables

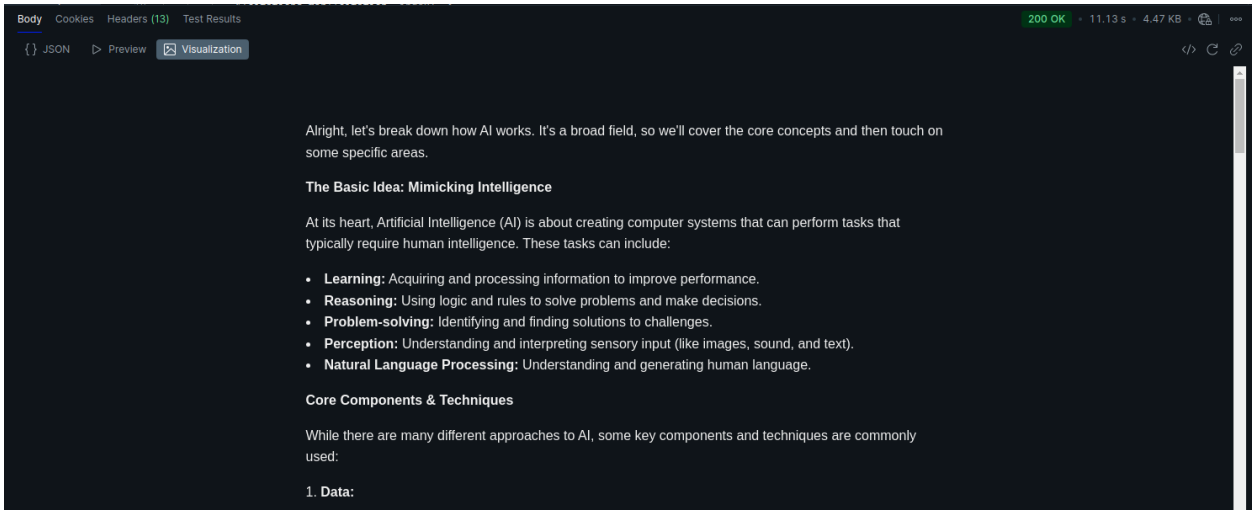
1. **Request examples as mentioned on https://ai.google.dev/gemini-api/docs/**

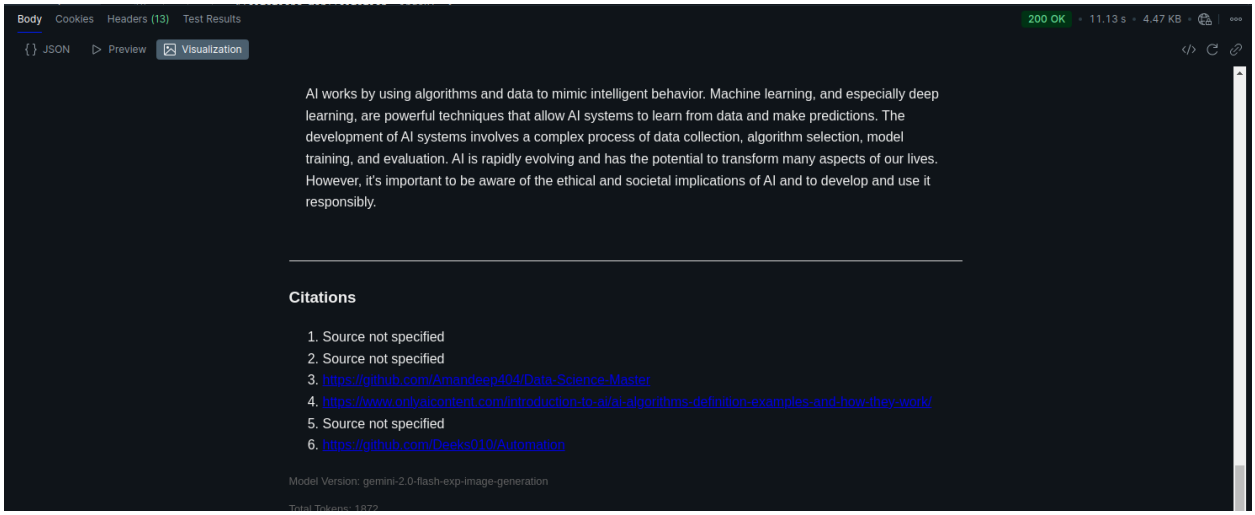




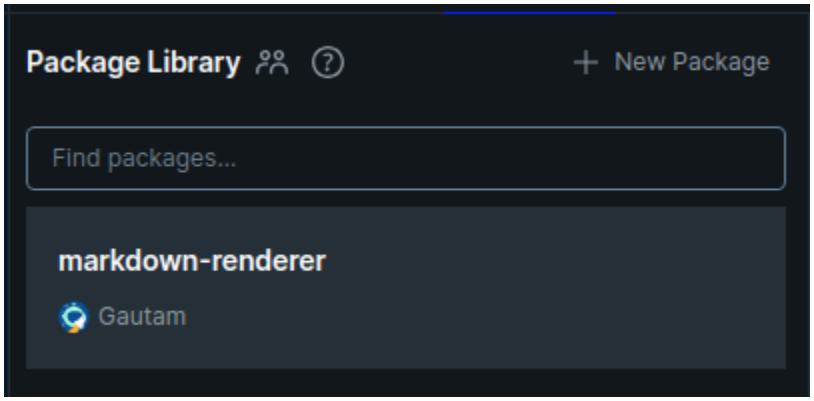
   Each request example will be turned into a postman request.

2. **Post-response scripts for better visualization**
   Each request will have a post-response script tailored specifically for the type of response. This helps users easily visualize the main content of the response.



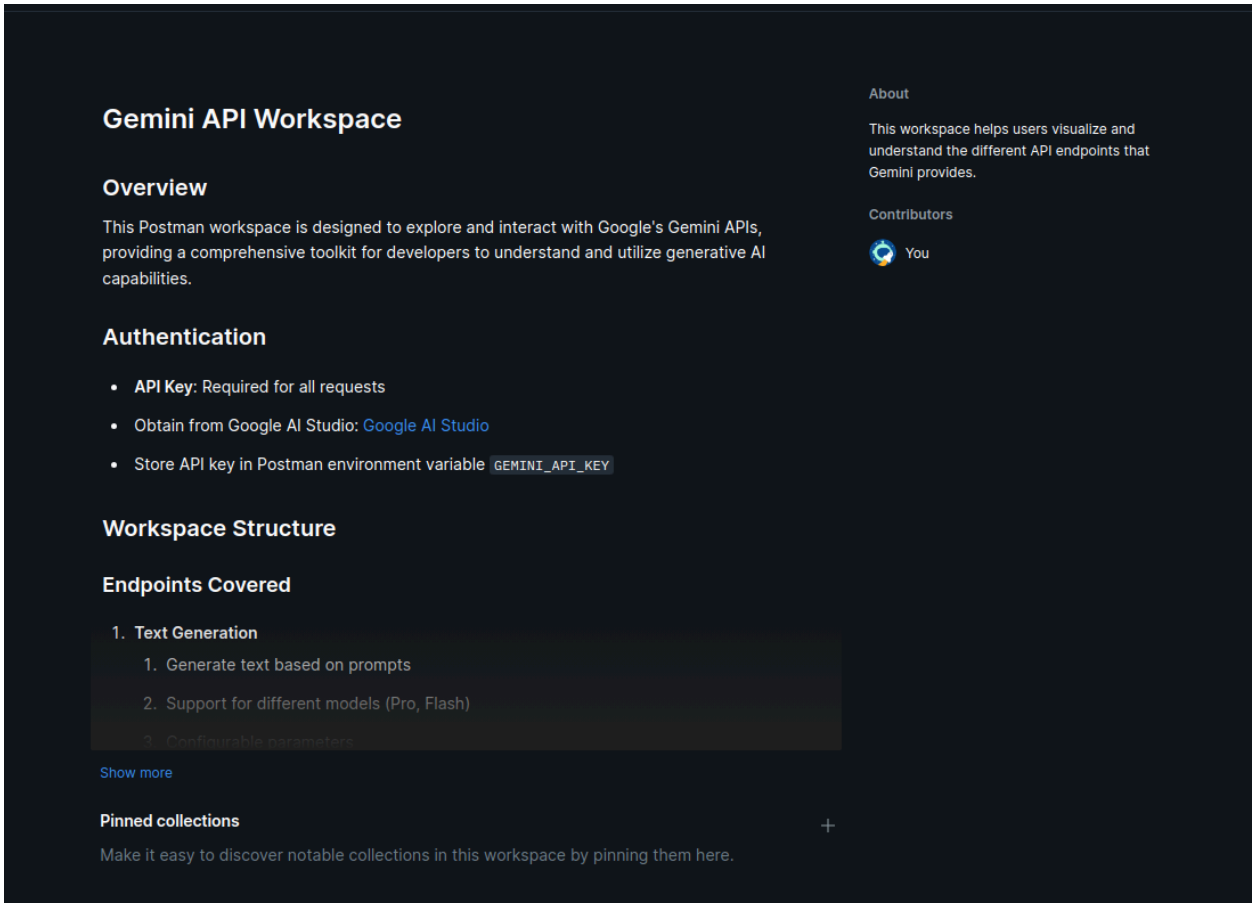


3. **Packages**
   Reused code (like a markdown renderer, for example) will be turned into packages, making it easy for developers to write their own scripts.



4. **Mock server**
   A lot of request examples will be created along with a mock server so that users can simply obtain mock responses instead of adding load to the Gemini servers.

5. **Documentation**
   Extensive documentation at a workspace, collection and request level.



6. **Tutorials**
   I will include documentation and tutorials for some common use cases like building a chatbot. Mentor's advice on more topics to make a tutorial on would be of great help.

7. **GitHub actions**
   I am not sure about this part. I assume a GitHub action must listen for updates to the Gemini documentation website and automatically create corresponding requests and examples. However, we cannot have it create more tutorials accordingly as those can't be automated and having generative AI make tutorials could result in questionable quality of the tutorials.

Project timeline

I have already made a few example requests, visualization scripts and explored the features of a Postman workspace, as showcased in the earlier screenshots.

April 8 - May 8
I will read up more on the existing features of Postman so that I can improve the quality of the workspace.

May 8 - June 1
By June 1, I would have created request templates and request examples for all types of requests on the Gemini site, and created a visualization script and documentation for each. I will be taking feedback continuously and working upon it.

June 2 - June 8
Code refactor. I will make my code more modular and reusable.

June 8 - July 8
I will make some tutorials for common Gemini use cases. By this time, I would have talked to the mentor and gained a good idea of what developers are looking for.

July 8 - July 14
Refactors if needed and some final touch ups before the mid submission.

July 14 - August 25
During this period, I will set up GitHub actions that periodically run to fetch data from the Gemini docs website to create new request templates. The reason for this huge timeline for GitHub actions is that my 5th semester in college will begin halfway through, so I will not have as much time as I used to.

August 25 - September 1
Final touch ups, refactors and documentation.