

## Onboarding Process Structure

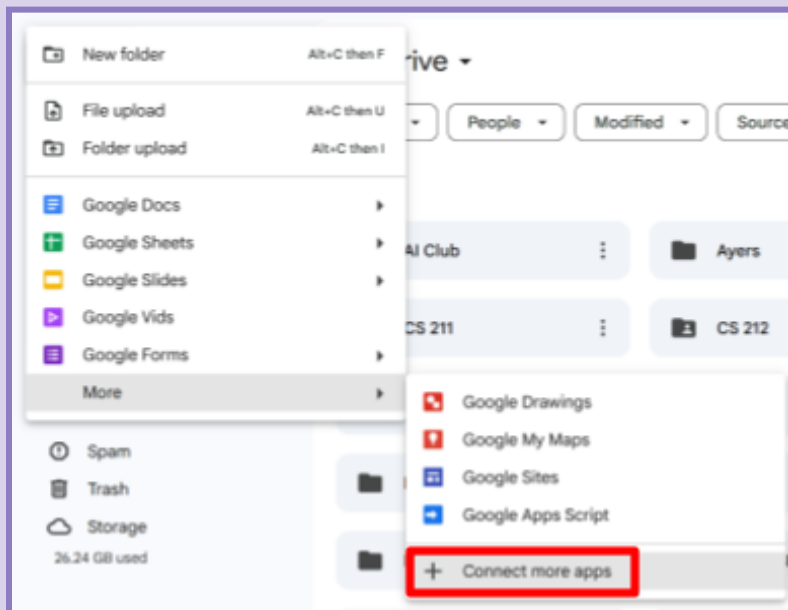
For the onboarding process, we'll begin by doing a Q&A Chatbot as a mini-project and then move onto more complex projects for the winter. This is the schedule that I currently have planned out for fall quarter:

Mini-Project	Modules	Topics That'll Be Covered
Q&A Chatbot	Module 2	<ul style="list-style-type: none"><li>• RAG (Retrieval-Augmented Generation)</li><li>• Search Engine Setup</li></ul>
	Module 3	<ul style="list-style-type: none"><li>• Hugging Face Account Setup</li><li>• Pre-Training and Fine-Tuning Models</li><li>• Autoencoders (Embedding Models)</li><li>• Cosine Similarity</li><li>• Webscraping</li></ul>
	Module 4	<ul style="list-style-type: none"><li>• Instruction-Tuning Models</li><li>• Observing LLM Generation Behavior</li><li>• Coding Stopping Conditions</li></ul>

The mini-project is NOT very coding intensive and is meant to be a light introduction to some important concepts and resources. You'll probably get the most out of this mini-project from the modules, so I recommend taking time to read and understand them. I expect this mini-project to take at most 3 weeks to complete.

## Setting Up Colab

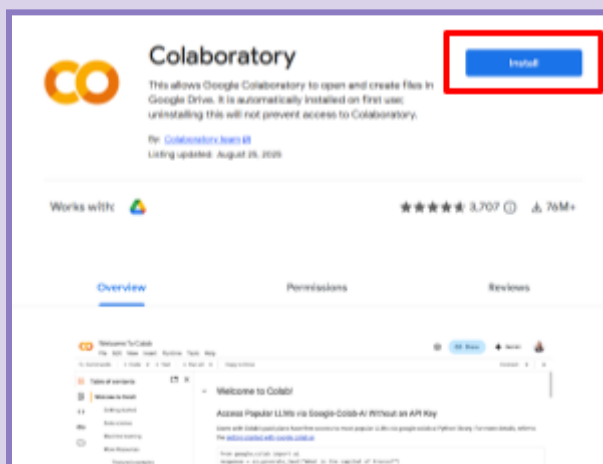
For both projects, we'll be using Colab since it's a free resource that everyone can use. This way, we don't have to worry about getting everyone to connect and set everything up on the Wilkinson lab computers provided by Northwestern.



First, open up Google Drive and click on the **New** button.

Then, you want to select **+ Connect more apps** option from the dropdown when you hover over **More**.

In the popup window, you want to enter **Colaboratory** in the search bar and select the app.



After that, you can install Colab.

*\* If it prompts you to make Colab the default app for files it can open, say yes.*

Now you're all set to start the projects :D