Galaxy Neuron

AI Gym + User Guide

Note: Celeste is a research preview. May contain bugs
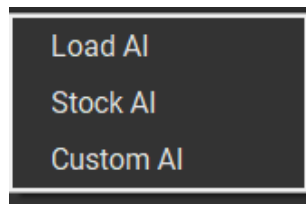
Contents

Prerequisites

Only Nvidia CUDA 12.1 compatible graphic cards are supported. The app doesn't run on laptops or desktops without Nvidia graphic cards. CUDA 12.1must be installed on your local machine (See setup tutorial on [Youtube](#))

Definitions

Stock AI : By definition, stock AI is the default AI which has all-round capabilities and is generalistic and can be used to reset custom AI's progress

Custom AI : On the other hand, custom AI is the one type of AI that you can customize based on your preferences. Preferences can be like sports, research, music etc.

Note : Load AI is only a placeholder to select an AI of choice.

AI Gym Overview

AI Gym is a place where you give the AI an opportunity to learn new information and keep the AI up-to-date. Updating new information is particularly useful when you want to query a bunch of information and solve problems offline. (See tutorial on [Youtube](#))
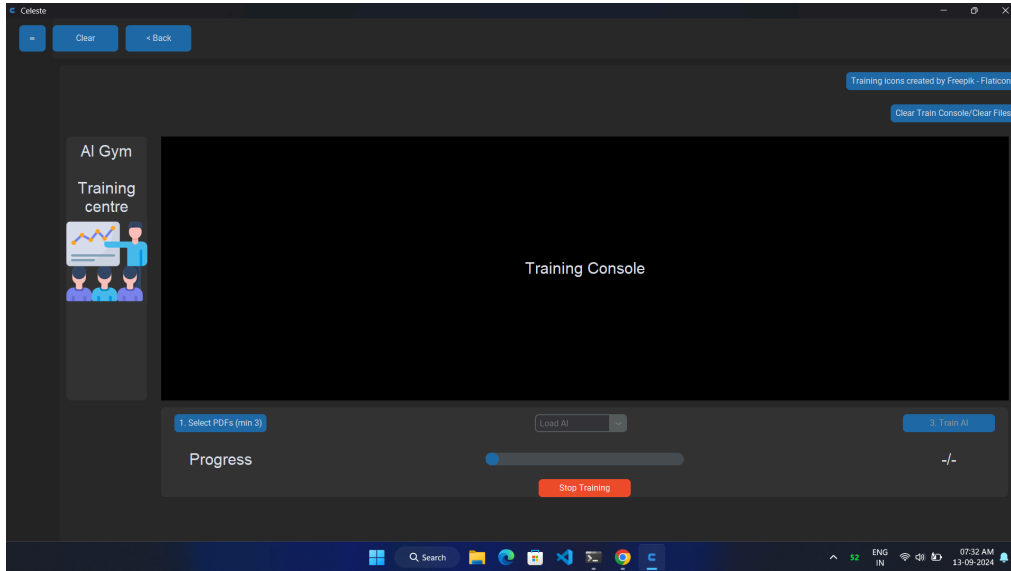
PDF Format and Guidelines

To achieve best results, please select **PDFs with a single column** containing paragraphs. (like the current PDF which you are reading)

We encourage you to select PDFs in such a way that all the **PDFs are similar in nature**. For example, selecting PDFs from one topic like sports, health or engineering etc will give the model more context on what it is learning and will yield better results.

When selecting the PDFs it is important to note that the **PDFs must be clean**. In the sense that, **PDFs shouldn't contain any junk data** which is not relevant to the topic. For example, when a website or a blog PDF is selected, the **advertisements present are not relevant** to the topic and are called junk. When the **advertisements are removed** the remaining content is a **clean PDF**.

Remember, when AI is fed with **high quality data**, the AI will learn and output **high quality answers**.

Points to remember

1. In case Custom AI is not performing well or you **want to forget** the learned information, you can **reset progress** by **selecting the stock AI** and training it. Thereby, custom AI's progress will be reset to new information.
2. Remember, that AI **doesn't memorize** the answers from the PDFs but **understands** the content.
3. For querying simple answers which are present in PDF directly, use the attach feature in the chat window to ask questions.
4. AI learns best with redundancy and with a plethora of examples. Make sure you prepare the PDFs with plenty of data.
5. When PDF data or **number of pages are more**, the **time taken** to train the AI will also be **more**.

Security Checks

With each PDF that you select, a security check is performed on the PDFs so as to obey the terms of use. When celeste pinpoints the paragraph which it finds a violation, please try to make suitable adjustments to the paragraph.

How To AI Gym

Keeping the data format section in mind please follow the steps

1. Select at least 3 PDFs and up to a total of 5 and all similar in nature.
2. Wait for security checks to pass (wait 5-10 minutes)
3. Load AI of choice
4. Click Train AI (Wait 15-20 minutes)
5. Wait for training to finish
6. Re-open the app, load custom AI and ask questions!

Note : The stop training button will take a brief time to stop the AI training.