

# Hands On Project- Module 4

Training LLM from scratch

## Instructor

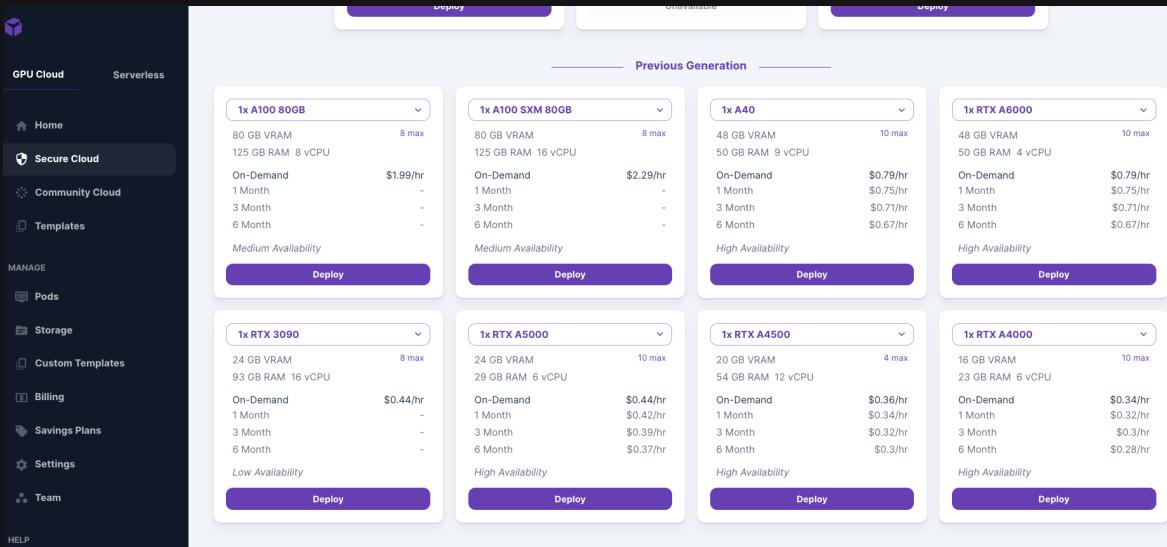
Sourab Mangrulkar

Machine Learning Engineer at 

Creator of  PEFT



# Setting up instance



- 1 Login to the Runpod website  
[`https://www.runpod.io/`](https://www.runpod.io/)
- 2 Choose 8XA100 80GB instance from the `Secure cloud` tab
- 3 Choose PyTorch 2.1.1 docker image and increase the storage to 200 GB via `customize deployment` option

# Setting up code repo and installing requirements

1. Clone the private repo by running below command:

```
git clone https://pacman100:github_pat_11ADHIKTA0Sn6wy7x16UH_ZxPPtBujBQDhk8kF7C9Tp5dZ5PCoz7tWEDFCRyZn9WvNCYYGBVDiLa8uvmq@github.com/pacman100/training-llms-from-scratch.git
```

2. Go into the code repo via `cd training-llms-from-scratch` command
3. Install the requirements via `pip install -r requirements.txt`
4. Login to wandb via `wandb login` command
5. Login to Huggingface hub via `huggingface-cli login` command

# How the code setup should look

The screenshot shows a Jupyter Notebook interface with a dark theme. On the left, there's a sidebar with icons for file operations like creating a new notebook, opening, saving, and deleting. Below that is a search bar labeled "Filter files by name". The main area displays a file tree under the path "/workspace/training-llms-from-scratch/". The contents of the directory are:

Name	Last Modified
Module4	3 minutes ago
Module5	3 minutes ago
README.md	3 minutes ago
requireme...	3 minutes ago

To the right of the file browser is a terminal window showing the command prompt "root@74a4cc9e13ef:/work:~#".