Ex:1   - Exploring The Deep Learning
7-08-2025   Platform

Various deep Learning Platforms:-

Google Colab:-

→ Free online Jupyter Notebook with GPU / TPU

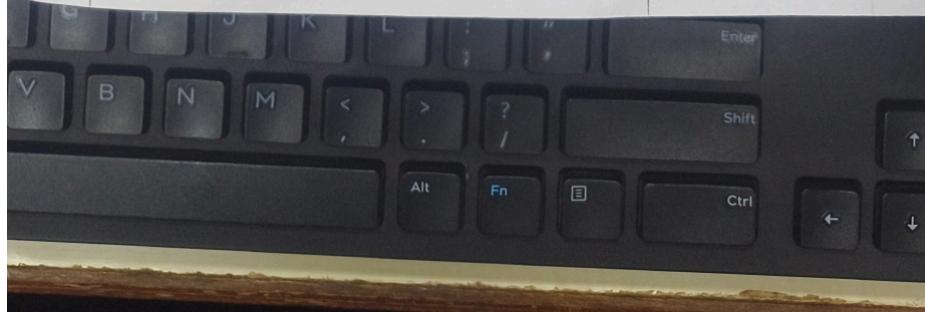→ Ideal for Students, resources, hobbyists Accessible with google account

Jupyter Note book

→ not a framework, but an interactive coding environment

→ combines codes, marb, outputs
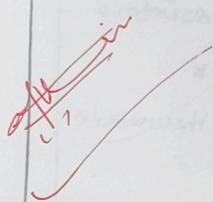
→ Popular for exploration, visualization, tutorial, ~~key Ex~~

Key Difference between Google Colab and Jupyter

Google Colab	Jupyter Notebook
• cloud based Platform	• Local / browser
• Build in free GPU / TPU	• GPU manual Setup
• Runs in Browser	• manual file Sharing
• Easy Sharing	
• Saves to google drive	• Saves to local System.

Pytorch

* Dynamic computational graph
* Debugging is easy with Pythonic Structure
* Use this for flexability research, fast experimentation

Result

Analysed and observed the experiment Successfully