

This document contains my solutions to the programming exercises from <https://www.learnpytorch.io/>

The work focuses on implementing and experimenting with core machine learning and deep learning paradigms using PyTorch, an optimized tensor computation library that provides dynamic computation graphs and GPU acceleration.

## **Module\_00: Pytorch\_Fundamentals**

🔗 Nishitha\_Module\_00

🔗 My notes : 00\_pytorch\_fundamentals.ipynb

## **Module\_01: Pytorch\_WorkFlow**

🔗 Nishitha\_Module\_01

🔗 Module\_01\_NOTES

## **Module\_02: Classification Exercises**

🔗 Nishitha\_Module\_02

🔗 02\_NOTES MODULE

## **Module\_03: Computer Vision Exercises**

🔗 Nishitha\_module\_03

## **Module\_04: Custom Dataset Creation Exercises**

🔗 Nishitha\_Module\_04

🔗 Copy of 04\_pytorch\_custom\_datasets.ipynb

## **Module\_05: Modular - Script Mode and Cell Mode Exercises**

🔗 Nishitha\_Module\_05

🔗 Copy of 05\_pytorch\_going\_modular\_script\_mode.ipynb

## **Module\_06: Transfer learning**

🔗 Nishitha\_Module\_06

## **Module\_07: Experiment Tracking**

🔗 Nishitha\_Module\_07

🔗 Copy of 07\_pytorch\_experiment\_tracking.ipynb

## **Module\_08: ViT Paper Implementation**

🔗 NishithaD\_Module\_08

🔗 Copy of 08\_pytorch\_paper\_replicating.ipynb

