How to train an image classifier ? putpose + An image classifier is designed to distinguish between different types of images. like tos. Surflower so on. lassifier as a function > Fundamentally, a classifier 7 function, f(x)= Y: In the Context of images X tebresent 2D array of Pixels from the images, and y is the Corresponding label.
Such as rose. eating - Unlike Haditional ML When feature flower dimension in the iris dataset), des leagning classifieus do not require manual

feature extraction for images. they use raw pixels
feature image or features. This is a major advantage
of the image or features this is a major advantage
the cause it is credibly difficult to write code to
the cause it is credibly difficult to write code to manually extracted eseful feature like texture. your of classification, the classifier used is called a mage elesification, the classifier used is called a media network. While it is such another type of newled network. While it is such another type of · classifier : It can bean more complex functions. Training date + The Primary requirement is training data & which consist of directories filled with images. Each directory represents a different Category or type, with the directory name acting es the label for the images buthin it. 12hy data matters? Diversity - Including different Color, singles, lightining Quantity - more images = better leading. It. Can only classify what it has seen. like if you try to predict image outside of its date still It lun but low confidence. Using Texsortlow It is opensource me Library, great for deep · Icarining like image Charsification. Tenson Towns et up - As implified solve using pre written wodes Make it easier to train model without writing complex code.

Tt Lean mL or library

A High level API (like scikit-lean) buil on Tayonflux

- Davier to use & More beginner friendly. - 1829 sfor lawing (Refraining) - meteral of fraining from Sctratch touse a Power ful existing model like Inception a google best impelasifier - sust restoain the lest years laight limiter your own limages. fast 2 efficient takes a 20 minutes vs breeks for