Cornlin Page PS-643 18/10/24 - we have talked about how computer vision came into people are working in computer vision area's from 1950's
Imagenet is largest dataset. Imagenet is largest dataset.

Imagenet has existed as a peroject for almost a decade.

There are more than 40 million images on Imagenet.

Flicker has lot's of images as uself you can upleast your images on flicker.

Imagenet has more that I thousand labols of those mages. What is Deep learning => how a basic NN work?

you have a bunch of i/p nodes, hidden vades and Some output nodes. All these nodes are Connected by edges. Each edges has weights. Ervor is difference between the generated of and the output should come is defined by some foundly. It works as loss and we update the weights based on loss. It keeps going till the loss doesn't decrease any more that's how a neweal network works. Syou can't have a navial network without I broken layer if you want to do some nonlinear operation. All layers are fully connected. It is when you have lot's of noural networks and are not fully connected. It is deep neural notwork.

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In the earlier time when use do image perocessing what we do is extract the peatwise from the image. Softmax layer converts the output into a pully connected layer.

All these layers are the feature learning layer. What does convolution, Relu x pooling (ayer does? convolution do work same as kenny edge detection.

(with only minor difference). A larger has a window and it does work on data & do convolution. Relucation Reluca = 1. X , X7,0 100000. Pooling layer: booling layer is a zoom in easi Terrid of thing. (Max Pool it is) - In a feature set it takes the max reduce & discard others. In 2016 the idea of automated cares was very popular. If you are woodcing in computer vision in the next 3 years you can make money. No machine learning can predict futhere. Even if you have 39.9999.%

accuracy you have to interact with cars.

Antomated car is not a heal thing but it is cool.

Policy = why do you want automated car? Real hearon you don't want to degree. Most > Most of the people in the would don't have money to affound a car even automated cans -) We need woods because we want to travel from -> Ferom a public policy point of view there should not be any care is the world. Only trains on buses should exist. point A to B.