Summary

Boief introduction to opener.

open cv (computer vision)

computer vision is a process by which we can understand the images and videos how they are stored and how we can manipulate and retrieve data from them cv is the base or mostly used for AI.

Open cv

open cv is the huge open-source Library for
the computer vision, machine learning etc.
now if plays a major role in real-fine operation.
By using it, one can process images and videros
to identify objects, faces, or even handwriting of
a human. To identify image partlern and its
various features are use vector space and
perform maternatical operations on these
features. The first open a version was 1.0 opens
is released under a BSD Cranse and bence its f
of has c+t, c, python and java interfaces and
supports windows. Linux, macos, ios and Android.

Application of operavi-* Automated inspection and soveillance * face recognition + number of people-count. * vehicle counting on highways along with their speeds * interactive and installations. open or functionality * image/videoup, processing, display * Object / feature detection. * computational photography * machine learning & crustering Image processing image processing is a method-to perform some operations on on image, in ooder to get an enhanced image and onto extract some asoful infoomstoon tooms. compader vision overlaps significantly * made brock 22 mid * pattern Re lognition * byotodsomerstan

pattern Recognition- H explains various techniques

photogrammetry - It is concerned with offaining accurate measurements from images.

busing opency, computer vision and deep

De use open cv, computer vision, and deep learning to implement social distancing detectors.

The steps to build a social dustancing detector.
includes-

- 1) apply object clete ction to detectall people tand in a video streom.
- and detected people.
- B) Based on these distances, check to see if anytwo people are less than N pixels apart.