Human Profession Identification using Computer Vision

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***Abstract*— Presently a day, we are moving towards the time where we will depend increasingly more on Computer or Robots for a considerable lot of our undertakings. One of the main parts of this exploration work is getting Computers to comprehend visual data (pictures and recordings) produced regularly around us. The reason for this exploration work is to concede computer the capacity to distinguish Human Profession dependent on their appearance for example Dressing of various profession. In order to perform those operation, we will extract the complex feature of image by applying appropriate number of convolutional, pooling layers etc. We can utilize some of the key components of various algorithm like AlexNet, ResNet etc. This module can be used by a locomoting robots for better identification of an individual. We will compare the outcome of different modules and finalize the model.**

Keywords*— *Machine Learning Algorithms, Computer Vision, Image Recognition, Image Classification.