Abstract

Research and advancement in the Convolution Neural Network have been capable of solving many computer vision problems with higher accuracy than humans at some time. This paper, presents CNN along with its various layers for easy understanding. CNN algorithm has been used here for the landmark recognition problem. In the 3D Visual Phrasing method, SfM has been used to reconstruct a 2D image of a landmark to its 3D image for better classification. To solve the problem of landmark recognition, various approaches have been put forward. Each approach mentioned in the paper is an enhancement of the previously mentioned approach to obtain greater accuracy in landmark recognition.

References

2. Sy, Angela, and Cynthia Day. "Geo-Locating Images: Where in the world was this picture
taken?" (2016).

**Index Terms**

| Computer Science | Image Processing |

**Keywords**

3D Visual Phrase, CleverHans, Convolution Neural Network, Deep learning, Keras, Landmark Recognition, Machine learning, Object detection, Pre-trained models, TensorFlow