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Machine learning model for image recognition

Abstract

Image recognition is a mechanism used to identify an object within an image and to classify it in a specific category, based on the way human people recognize objects within different sets of images. Artificial Intelligence, together with computer vision, are prominent topics of the Tech Industry. AI relies on many different tools and techniques to imitate Human Intelligence and recreate it with various algorithms applied on different devices. Computer vision is a field of IT that focuses on machines ability to analyze and understand images and videos, and it goes through the task of image recognition in machine learning. In this project, the principle of machine learning was applied for the purpose of object recognition within images. The proposed system of image recognition implemented on the nature images with different size of pixels. We used python programming language to implement the proposed system.