# Image Caption Generator using Deep Learning Approach

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**Abstract:** *The creation of captions for a picture is the focus of the image caption generator. The image's semantic meaning is extracted and translated into plain language. Also, there are built-in programs that create and offer a caption for a certain image. Image captioning is the process of creating a description of a picture in the form of a caption. The system must recognize and develop connections between things, people, and animals. This study uses deep learning to find, identify, and produce interesting captions for a given image. The practice of creating textual descriptions of a given image using computer vision and natural language processing methods is known as image captioning. This suggests a strategy for deriving a caption for a picture that highlights particular objects in the image.*

**Keywords:** Deep Learning, Feature Extraction, thresholding, image segment, CNN model, NLP

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