**CNN EXPLAINER: Learning Convolutional Neural Networks with Interactive Visualization**

CNN explainer is an interactive visualization tool to help beginners learn Convolutional neural networks. CNN explainer runs a pre-trained CNN model in the user's browser. It helps users learn how a CNN model transforms an input image to a class prediction. CNN explainer visualizes neuron activations and layer connection in a CNN. We can hower over a neuron to highlight its input. A neuron can be clicked to enter the Elastic Explanation view. Animation simulates the kernel sliding operations. Any intermediate result can be clicked to enter the Interactive Formula view. Interactive heatmaps reveal the underlying convolution calculation.

Further it helps user learn about the two operations in CNN - ReLu and Max pooling. A click on ReLU neuron opens the Interactive formula. Further interactive heatmaps demonstrate the ReLU function. The same applies to Max pool operation.

Users can further learn about how CNN does the output predictions by clicking the output neuron and the softmax button.

CNN explainer thereby provides a engaging learning experience. It also provides a click info button to scroll to corresponding article section which provide tutorial articles about CNN operations.