

Deep Wave net

The deep wave net is inspired from Pixel CNN implementation. The first part of the project was the implementation of the Pixel CNN.

The objective of the Pixel CNN is to synthesise images on it's own from the input data that is supplied. The input dataset used for this purpose is CIFAR_10, which is a collection of images.

The language used is keras.

The process is implemented in a layer down approach and not a parallel programming paradigm.

Steps:

1. Loading datasets
2. Categorising the dataset
3. Normalisation of data
4. Activate the model
5. Use convolutional layer and then activation layers
6. Dropout and Flatten
7. Image generation from the last layer of the network
8. Model is trained and saved

And atlast the images are generated.