Novelty of Project

- In the normal neural network, image cannot be scalable. But in convolution neural network, image can be scalable (i.e) it will take 3D input volume to 3D output volume (length, width, height).
- If we train from the starting layer, we have to train the entire layer (i.e) up to ending layer. So time consumption is very high. It will affect the performance. To avoid this kind of problem, pre-trained model based brain dataset is used for classification steps.
- The convolution neural network is used for automatic brain tumor classification. The brain image dataset is taken from image net. Image net is a one of the pre-trained model.
- Element wise activation function is carried out in ReLU layer.
- During training Loss layer is added at the end to give a feedback to neural network.