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Md. Abdullah AL Mamun

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This research work is focused on detecting low-grade glioma tumorous cells in MRI images. Glioma is a common brain tumor, that exhibits properties of benign tumors. We used the TCGA-LGG Segmentation dataset for our research. It consists of 3929 brain tumor images and corresponding FLAIR abnormality segmentation masks obtained from 110 patients. .

Table 1 lists the models used as encoder for U-Net architecture.

Table 1: Models used for U-Net encoder and trainable blocks/stages for fine-tuning.

Family	Models	Trainable Blocks
EfficientNet	EfficientNetB0 to B7	Block 30 to 32
DenseNet	DenseNet169, DenseNet201	Block 7
VGG	VGG16, VGG19	Block 5

## References