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## Artificial Intelligence Assisted Brain Tumor Diagnosis

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Abstract: As we know deep learning has been proven to be superior in detecting diseases which could significantly improve the accuracy and speed of the diagnosis. Our team will collect brain MRI scans and will approach to develop a model that could detect and localize tumors. Our project is going to set layered deep learning pipeline to perform classification and segmentation. In this process an input of image Brain MRI scan will be feeded into Resnet deep learning classifier model this model will give you two outputs one where the tumor is detected and other where it is not detected. If the tumor is detected it would be send to Resunet segmentation model where the detection of the tumor will be located on pixel level, and if the tumor is not detected the patient is healthy.

Keywords: Assisted Brain Tumor Diagnosis

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