

# Brain Tumor Detection using Machine Learning

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**Abstract:** *This research seeks to develop a brain tumor detection system using magnetic resonance imaging (MRI), biomedical image processing, and machine learning pre-processing approaches to distinguish aberrant brain tissues from normal brain tissues. Augmentation techniques and convolution neural networks are used to extend the training set and extract the best details from the image. Early detection and diagnosis is crucial in preventing more serious consequences.*

**Keywords:** Brain Tumor, MRI, Convolutional Neural Network (CNN), Machine Learning, Image Processing.

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