

Brain Tumor Classification Using Image Processing

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Abstract: Brain tumor categorizing is an major problem in computer-aided diagnosis (CAD). In our system, we propose a brain tumor detection and classification method. The proposed categorizing system acquire the concept of deep learning and uses a training data for extract features from brain MRI images. The proposed system works on 70% training data set and remain 30% data set uses for testing dataset. Machine learning techniques are widely have been put to use for treating medical symbolism and information in contrast to manual testing of a tumor, which is a exhausting task and have been human error. Computer-aided techniques are petition to get best outcome as compared with manual conventional diagnosis practices. The current system work have detain of deep neural network and subsume a CNN based model to compare the MRI as "TUMOUR DETECTED" or "TUMOUR NOT DETECTED". In addition, the system mark a practical facet by assess the system with little training test.

Keywords: Brain Tumor, computer aided diagnosis, MRI, machine learning

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