Brain Tumor MRI Classification – Summary

This project detects brain tumors using MRI images and deep learning.  
We used a labeled dataset with four categories: Glioma, Meningioma, Pituitary, and No Tumor.  
A Convolutional Neural Network (CNN) was trained on the dataset for image classification.  
The model was saved as brain\_tumor\_model.h5 after training.  
A user-friendly interface was built using Streamlit.  
Users can upload an MRI image and get the predicted tumor type instantly.  
Technologies used include TensorFlow, Keras, OpenCV, and Streamlit.  
The app gives fast and accurate predictions with high confidence scores.  
This tool can assist doctors by providing quick second opinions.  
All files are uploaded and shared via GitHub for easy access.