



BRAINMAP

A web-based AI tool for brain tumor detection and classification



MEET THE A(I) - TEAM

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- **Among the most life-threatening conditions.**
- **Manual diagnosis**
 - Time consuming
 - Prone to errors
- **MRI scans** often outnumber available specialists.





HOW CAN **AI** ASSIST?

AI is used here as a "smart detective" that looks at MRI images and identifies the type of tumor.

SOME STATS

CNN Model

Test Accuracy: **0.97**

Precision: **0.95**

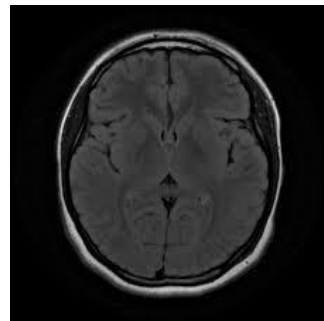
Recall: **0.95**

YOLO Model

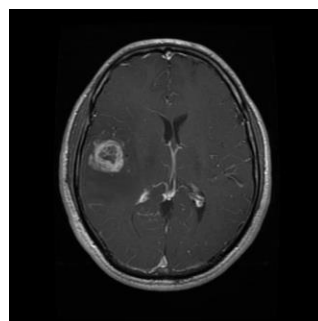
Mean Average Precision: **0.97**

Precision: **0.94**

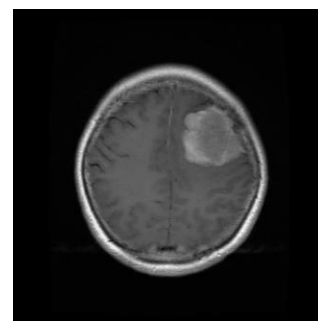
Recall: **0.92**



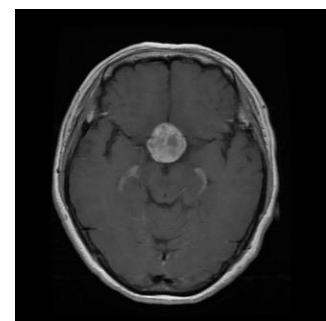
no tumor



glioma



meningioma



pituitary

CNN Dataset : **7023**

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YOLO Dataset: **2443**

DEMO



