S8194: DEEP LEARNING IMPLEMENTERS PANEL
FIELD INSIGHTS FOR ACCELERATING DEEP LEARNING PERFORMANCE, PRODUCTIVITY AND SCALE
BHGE: PUMPING AI INTO THE OIL AND GAS INDUSTRY

- Oil discovery requires oceans of data
- Distilling AI data in real time
- Unlocking insights from data collected upstream, midstream, & downstream.

Arun Subramaniyan
Baker Hughes Digital, Baker Hughes GE
VP Data Science & Analytics
Medical advancements through deep learning and patient care advancements are crucial.

1. The lack of adequate training data can slow down discovery processes.

2. Using Generative Adversarial Networks (GANs) to create and validate synthetic brain MRI images can speed up training.

---

**MGH: SPEEDING TRAINING WITH SYNTHETIC MRI IMAGES**

- Deep Learning advances medical discoveries & patient care.
- Lack of adequate training data can slow discovery.
- Using GANs to create & validate synthetic brain MRI images to speed training.

**Neil Tenenholz**

MGH & BWH Center for Clinical Data Science, Technical Lead & Senior Machine Learning Scientist.
DEEPGRAM: DELIVERING SUPERIOR SPEECH RECOGNITION

- Audio scoring provides valuable business insights
- Manual scoring is slow, expensive, inaccurate
- True end-to-end deep learning technology recognizes audio more completely & precisely.