

Week0 Challenge

10 ACADEMY cohort A

NAME: GILBERT TCHEUGOUE DJISSITCHE

TOPIC: AI IN HEALTHCARE DATA ANALYSIS

INDUSTRY: HEALTHCARE INDUSTRY

PROBLEM IDENTIFICATION

It's expensive and time consuming to manually process unstructured data. Traditionally, healthcare companies have had to rely on humans to read charts and pull out data for quality measurement and risk adjustment programs. This process leaves organizations at risk of incomplete or inaccurate data.

SOLUTION

Artificial Intelligence is revolutionizing Healthcare in many areas such as:

- Disease Diagnosis with medical imaging
- Maximizing Hospital Efficiency
- Surgical Robots
- AI healthcare market is expected to reach \$45.2 billion USD by 2026 from the current valuation of \$4.9 billion USD

TECHNOLOGY USED

Deep learning has been proven to be superior in detecting diseases from X-rays, MRI scans and CT scans.

which could significantly improve:

- The speed
- Accuracy of diagnosis
- Reduce cost of cancer diagnosis
- Save life

RESOURCES

- Data
- RESNET Deep learning classifier Model
- RESUNET Segmentation model