



46%

CAGR expected for Global AI in Healthcare Market

Estimated to reach
USD 95.65 Billion by
2028, up from USD 6.60
Billion in 2021



\$150 Bn

Cost Reductions

Reduction in annual US
healthcare costs by 2026
by using AI applications



40%

Improved Results

Pharmaceutical and life
science executives expect
leveraging AI / ML to
improve the outcomes



CHALLENGES

***Need for faster and accurate
detection of abnormalities in
medical images***

***Cost intensive process and need
for drug simulations***

***Lack of insights generation tools
for ever increasing research
documents***

***Need for immediate query
resolution***

***Requirement of automating
simple check ups and
appointment scheduling***

Medical Image Segmentation

Develop a image classification and segmentation to detect any visual abnormality within Radiological/Pathological images

Business Impacts

Reduced inference time from 30 mins to few seconds

Dice Coefficient - 0.94

Virtual Healthcare Assistant

A virtual assistant to improve patient experience by solving queries, booking appointment and health assistance

Business Impacts

One Stop Solution to answer personal queries

24/7 Live chat availability

Enhanced Patient Experience

KG Based Insight Generation

KG based search tool to efficiently search and fetch domain specific information

Business Impacts

Real-time search on thousands of documents

Cost-effective and scalable

Flexible search with Human Like questions

Patient No-Show Prediction

An AI Enabled model I to calculate the likelihood of a "No Show" event and also identify the parameters influencing it's probability

Business Impacts

Best model accuracy greater than 90%

Intelligent and optimised management

Drug Discovery & Virus Monitoring

An AI Based model to fasten the drug discovery process and track changing characteristic of new virus and bring cure to treat disease

Business Impacts

Accelerated Drug Discovery

Faster detection of variants and mutation

Potential saving of R&D cost

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