

DATA SCIENCE & ML

in

HEALTHCARE

DOMAIN

Curated by  tutort academy

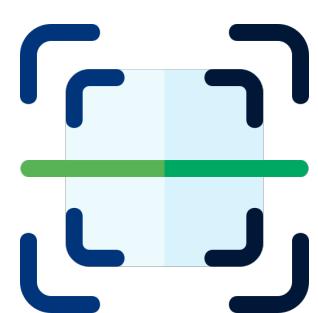




What is DS & ML in the Healthcare ?

Data Science in healthcare involves using machine learning and cognitive technologies in medical settings. It uses computers and machines that mimic human thinking to analyze and respond to medical data. Machine learning and cognitive disciplines improve medical diagnoses and treatment. AI also helps analyze large amounts of data to create better recommendations for preventive care.

Uses of Data Science and Machine Learning in Healthcare Domain



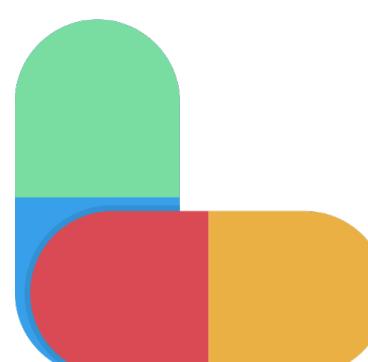
Medical Imaging

Medical Imaging uses deep learning to identify anomalies in scanned images, helping to detect flaws and abnormalities through image segmentation.



Genomics Data Science

Genomics Data Science utilizes advanced tools to analyze human genes, enabling more efficient identification of irregularities and establishing connections between genetics and health.



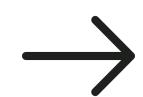
Drug Discovery

Predictive analytics in healthcare helps identify early signs of health decline, improving intervention and treatment.



Awdhesh Choubeey
Business Analyst

From



To



our
Success
Story



Enhanced Radiotherapy

Machine learning improves medical image analysis, leading to precise lesion classification and more accurate radiation treatment.



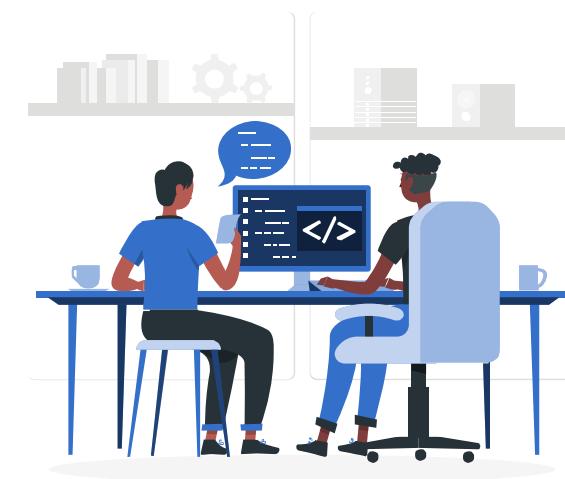
Epidemic Forecasting

AI and machine learning predict outbreaks by analyzing diverse data sources, enabling early detection and effective public health management

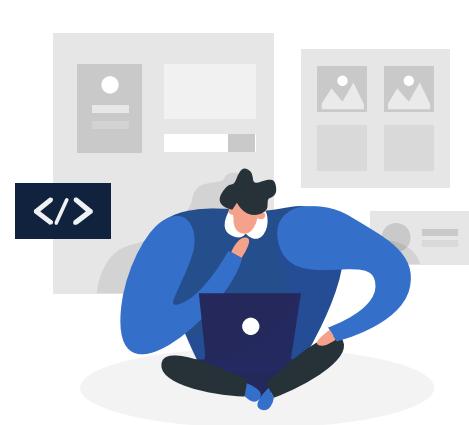
Data Science & Machine Learning

[Learn more →](#)

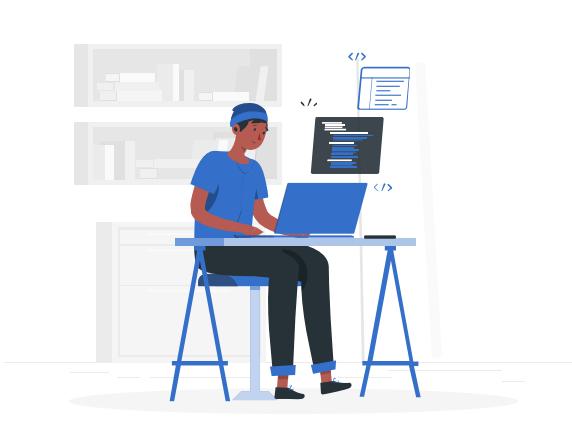
Full Stack Data Science (AI & ML)

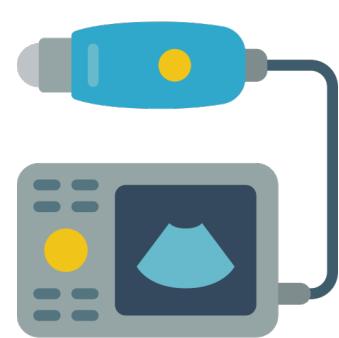
[Learn more →](#)

DSA with System Design

[Learn more →](#)

Full Stack with MERN

[Learn more →](#)



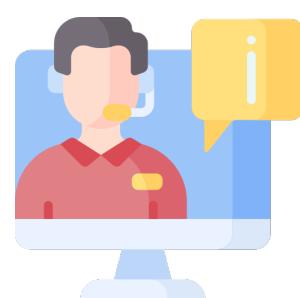
Predictive analytics

Predictive analytics in healthcare helps identify early signs of health decline, improving intervention and treatment.



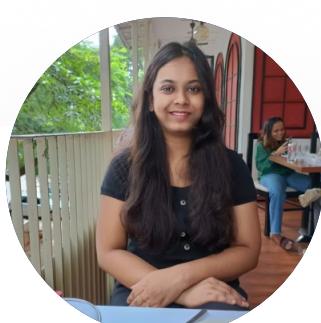
Medical Record Management

Data science is vital for organizing medical records, reducing mismanagement risks in healthcare institutions.



Virtual Assistance

Predictive analytics in healthcare helps identify early signs of health decline, improving intervention and treatment.



Arpita Basak
Analyst at Goldman Sachs

From



To



Switch from
**Service Based
Company**



BENEFITS OF DS/ML IN HEALTHCARE

DS/ML systems are used by Healthcare industries for a variety of reasons. The following are the most prevalent benefits of DS/ ML for Healthcare Domain:

- ▶ Enhances treatment success rates
- ▶ Streamlines the drug development process
- ▶ Cultivates a unique set of expertise
- ▶ Reduces healthcare costs
- ▶ Implements automated digitization of health records
- ▶ Offers personalized treatment options



Garima Gupta
Business Analyst at
ClearCapital

From



To



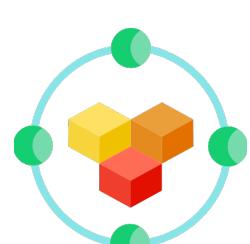
our
**Success
Story**

DATA ANALYTICS TOOLS FOR HEALTHCARE



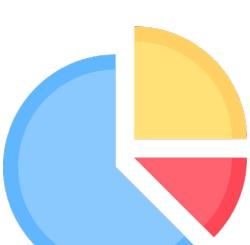
Optimization

Excel is commonly used for optimization purposes, but R and Python boast impressive optimization packages.



Modeling

R, SAS, and Python are popular tools in Healthcare for modeling. R and Python are now widely used, with specialized packages available for Healthcare analysis.



Segmentation

SAS E miner is a well-known, pricey tool for segmentation. Alternatively, Knowledge Seeker, & Knowledge Studio present more budget friendly options.



Visualization & Dashboarding Tools

Tools such as Spotfire, PowerBI, QlikView, Tableau, & SAS Visual Analytics, CXO have made a substantial impact in the Healthcare domain.

Data Scientist Salary Trends In Healthcare Sector

Company Name	Average Annual Salary
 NOVARTIS Data Scientist Salary 2-8 yrs exp (29 Salaries)	₹ 22.1L ₹ 12.6L — ₹ 33.0L >
 CARDINAL HEALTH Data Scientist Salary 8 yrs exp (162 Salaries)	₹ 22.1 ₹ 6.0L — ₹ 35.0L >
 OPTUM Data Scientist Salary 2-7 yrs exp (95 Salaries)	₹ 24.8L ₹ 3.5L — ₹ 37.0L >
 ELI LILLY Data Scientist Salary 5-6 yrs exp (12 Salaries)	₹ 18.5L ₹ 12.0L — ₹ 20.0L >
 GE HEALTHCARE Data Scientist Salary 2-6 yrs exp (12 Salaries)	₹ 16.0L ₹ 16.3L — ₹ 19.0L >
 PAREXEL INTERNATIONALS Data Scientist Salary (9 Salaries)	₹ 17.3L ₹ 12.0L — ₹ 34.0L >

Gain industry knowledge with Tutort Academy

Join our Job-Oriented Programs

Explore More

www.tutort.net



[Watch us on Youtube](#)



[Read more on Quora](#)

Explore our courses



Data Science & Machine
Learning



Full Stack Data Science
(AI & ML)

Follow us on



Instagram



YouTube

Phone

+91-8712338901



E-mail

contact@tutort.net



Address

D001, Shilpitha Splendour Annex,
Bengaluru, Karnataka 560048