

GlobalLogic

A Hitachi Group Company

AI-powered insights **transform patient data** into better healthcare outcomes

A global healthcare provider struggled to process vast amounts of unstructured patient data, limiting efficiency and decision-making. GlobalLogic leveraged Generative AI, MLOps, and AWS cloud technologies to automate data extraction, enhance accuracy, and accelerate response times for:

~30%

reduction in report review time

~20%

improvement in data accuracy

~30%

faster response times



Opportunity

The client, a leading medical organization, needed to transform its data processing capabilities to improve efficiency and decision-making.

With **massive volumes of patient records in unstructured formats** like PDFs, existing systems struggled to extract, organize, and analyze data effectively.

To address these challenges, they needed a partner to leverage an AI-powered solution for real-time processing, enhanced accuracy, and scalable, secure data management tailored to healthcare applications.

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Value Delivered

- **AI-powered data processing** – Automated extraction, organization, and analysis of unstructured patient records.
- **MLOps-driven optimization** – Implemented robust machine learning workflows for real-time data validation and improved accuracy.
- **Seamless AWS cloud integration** – Ensured scalable, secure, compliant data handling across operations.

Impact

- **Reduced report review time** by 20-30%, increasing daily patient capacity.
- **Enhanced data accuracy** by 15-20%, minimizing missed details.
- **Accelerated response times** by 25-30%, improving urgent case identification.
- **Enabled real-time analytics**, delivering scalable and adaptable insights for medical professionals.