Case Study

AI-Powered Anomaly Detection Enables Smarter Decisions for US-Based Medical Devices Manufacturer

Client

The client is a US-based, multinational, Fortune 500 company that deals with medical devices and pharmaceuticals

Our Experience

LTIMindtree helped a global pharmaceutical company streamline their data anomaly detection process using Leni, an Artificial Intelligence (AI)-powered virtual analyst, to spot outliers and remove anomalies from a continuous stream of unstructured data from disparate sources.

Challenges

- ✓ Disparate data sources lead to different levels of data and sanity checks.
- ✓ Used fragmented and repetitive methods for anomaly detection.
- ✓ Manually tracked new inflowing data streams.

LTIMindtree Solution

- ✓ Created a centralized AI-based autonomous detection system to spot anomalies in real-time.
- ✓ Provided a sophisticated mix of algorithms to identify and analyze data anomalies.
- ✓ Designed a three-step approach to identify the What, Where, and Why of data anomalies for historical data deviation, data loss or addition, and latest data deviation.

Business Benefits

About 2,400 data steward's hours redeemed annually.	**80%** reduction in manual errors with process automation.	About 2X improvement in efficiency and accuracy of delivering insights.