

## PROBLEM STATEMENT:

- Manual Incident Classification and Resolution
- NO Automated Knowledge Recommendations. Traditional knowledge bases are static
- Inconsistent user experience
- Slower Ticket Resolution Time
- Heavier workload for support team

## OBJECTIVES:

- Implement an AIOps framework using Microsoft Fabric to detect, analyze, and recommend resolutions for IT incidents
- Empower IT teams with a self-service tool for actionable insights, reducing manual troubleshooting and accelerating resolution
- Enhance reliability by minimizing downtime, lowering MTTR, and enabling proactive incident handling

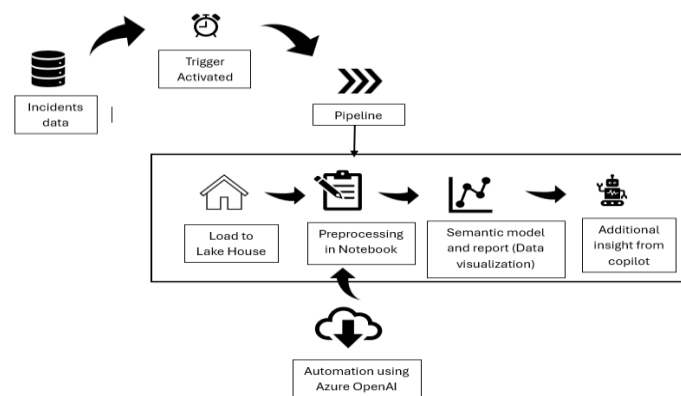
## TECH STACK:

- Microsoft Fabric
- Azure Fabric Capacity

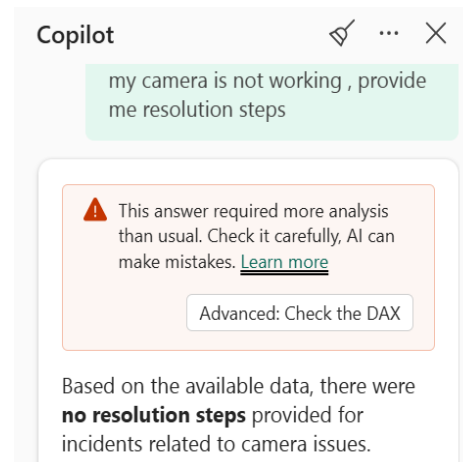
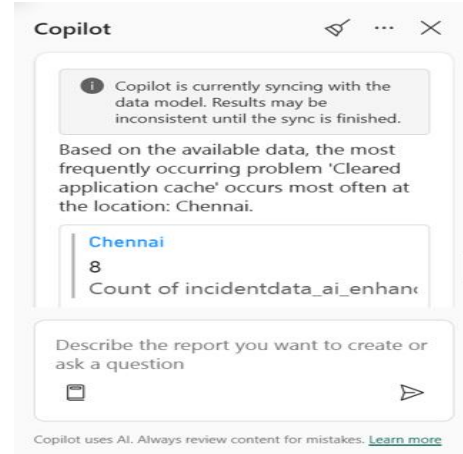
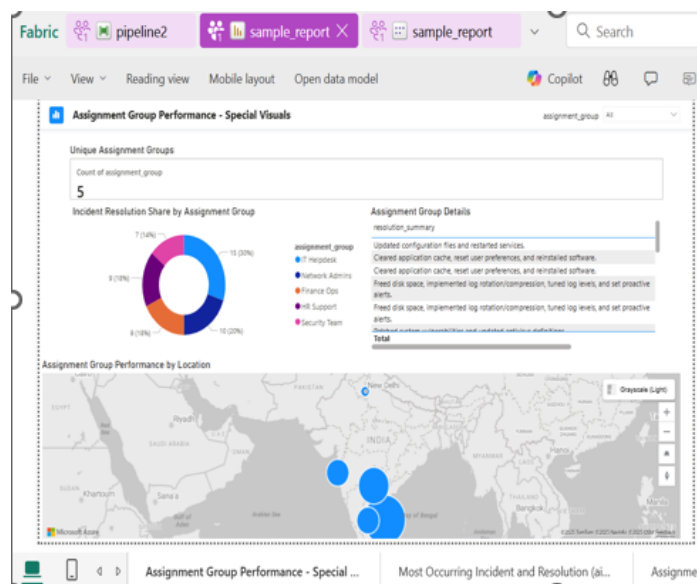
## BENEFITS:

- Intelligent Incident Handling: Automated pipelines ingest and process incident data with minimal manual effort
- Real-Time Insights: Power BI and Copilot deliver live analytics and intuitive natural language access
- Flexible Architecture: Microsoft Fabric ensures unified data management with adaptive learning for growth and customization

## ARCHITECTURE DIAGRAM:



## RESULTS:



## FUTURE ENHANCEMENTS:

- Integrating ServiceNow with real-time intelligence in Microsoft Fabric to streamline IT operations through real-time monitoring
- Build a conversational troubleshooting agent in Azure AI Foundry with predictive analytics to prevent recurring incidents