

Generative AI Hackathon  
with IBM Granite

TEAM AUTOMATERS



OPTIMIZE YOUR SUPPLY CHAIN  
WITH AI

FEBRUARY 2025



# **Problem Statement:**

**Today's industries and businesses are facing:**

- Lack of Demand Forecast Accuracy**
- Limited Explainability in AI Decisions**
- Inefficient Inventory Management**
- Supply Chain Disruptions & Risk Management**
- Data Silos & Integration Issues**

# **Our Solution:**

**Our AI platform delivers:**

- **Demand Forecasting with Explainability**
- **Inventory Optimization Dashboard**
- **Risk Alert System**
- **Scenario Simulator**
- **Simple Data Integration**

# Technology Stack:

- **ibm/granite-3-8b-instruct**
- **Streamlit**
- **Python**
- **Hugging Face (deployed)**



# OUR TEAM



**Khabab Akhtar**

Electronic AI Engineer



**Sameer Mohsin**

Software Engineer



**Saif Ur Rasool**

Software Engineer



**Afeefa Batool**

Software Engineer