Smarter Inventory & Demand Planning with AI

Industry: Automobile

Client: Retail & E-commerce Company, Delhi, India

The Challenge

- ✓ Inaccurate forecasting
- ✓ Overstocking & stockouts
- ✓ Delayed pricing & poor retention

Our Approach

We used **sales + market data to:**

- ✓ Build ML-based demand forecasts
- ✓ Automate pricing & inventory plans
- ✓ Predict customer churn with AI

Key Solutions

- ✓ **AI Forecast Engine:** Seasonal demand trends
- ✓ **Smart Pricing Models:** Real-time suggestions
- ✓ **Churn Prediction:** Early risk detection
- ✓ **AI Dashboards:** Live decision-making

Tech Stack

python | Amazon SageMaker | kafka | PostgreSQL | Power BI

Impact Summary

Metric	Before	After
Forecast Accuracy	60%	85%
Excess Inventory	High	-60%
Customer Retention	50%	85%
Pricing Updates	Weekl	Daily

Results at a Glance

85%	3X	60%	35%
accurate forecasting	faster planning	stock waste reduced	energy savings

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