

Unlock the Future of Retail with Next-Gen AI

Leverage Innovative AI-first Digital Engineering across the retail value chain to drive enhanced customer engagement and operational excellence.



Industry-Wide Challenges

Dynamic Customer Expectations

Technology and sociocultural shifts are shaping consumer buying behavior, making it challenging for retailers to grasp unique customer needs

Declining Customer Loyalty

Industry competition, personalization gaps and omnichannel demands drive **40%** consumers to switch retailers

Industry-Wide Challenges

Ineffective Inventory Management

Stockouts, stemming from demand and supply chain disruptions cost retailers around **8%** of revenue

Isolated Marketing Infrastructure

Lack of communication between different marketing channels leads to inconsistent brand messaging

Our Solution Offerings across the Retail Value Chain

Customer Experience	Logistics & Supply Chain	Merchandising & Store Operations	Marketing & Sales
<ul style="list-style-type: none">▶ Digital Avatars for Self Service Kiosks▶ Agent Assist for Contact Centers▶ Personalized Product Recommendation▶ Predictive Customer Analytics	<ul style="list-style-type: none">▶ Demand Forecasting▶ Inventory Count Automation▶ Automated Purchase Order Processing	<ul style="list-style-type: none">▶ Store Planning & Space Optimization▶ AI-Driven Assortment Optimization▶ CV Based Video Safety & Surveillance	<ul style="list-style-type: none">▶ Customer Segmentation with Advanced ML▶ Centralized Data Platform for Customer Analytics▶ Customer Buying Journey Analysis with Marketing Attribution Modeling

Our solutions are built on **NVIDIA AI Enterprise**

Customer Success Stories

LLM Powered Virtual Order-Taking Assistant

Quantiphi developed an LLM-powered conversational digital avatar that accurately captures customer orders and provides personalized and creative recommendations. Built with NVIDIA Tokkio 3.0, the avatar employs NeMo LLM and Riva for conversational AI, deployed using Triton Inference Server and TensorRT-LLM for optimized inference.

Business Impact

- ▶ Competitive Advantage through Upselling
- ▶ Boost in Customer Engagement
- ▶ Increased Average Order Value

Advanced Deep Learning based Demand Forecasting

Quantiphi engineered a robust demand forecasting solution utilizing advanced AI/ML algorithms to deliver forecasts at 15-minute intervals, accompanied by a custom dashboard for visualizing forecasts, and a functionality to set alerts and adjust variables for improved forecast control.

Business Impact

- ▶ Potential Savings of \$5.5 Million Per Month
- ▶ 25% Reduction in Food Waste
- ▶ 25% Improvement in Forecast Accuracy

Get in touch with our experts to learn more.

Email us at: info@quantiphi.com

