

# 20-day AI & GenAI Roadmap for Supply Chain & Logistics Managers

If you are a supply chain or logistics manager aiming to future-proof your operations, this hands-on roadmap teaches how to forecast demand, automate routine workflows, optimize inventory, manage risk, and use GenAI tools.

<p><b>#Week 1:</b> AI &amp; GenAI Fundamentals for Supply Chain</p> <p><b>Goal:</b> Build a foundational understanding of AI/GenAI and identify practical workflows</p>	<p><b>#Week 2:</b> AI-Powered Logistics, Automation &amp; Reporting</p> <p><b>Goal:</b> Optimize routing, automate documents, streamline communications and dashboards</p>	<p><b>#Week 3:</b> Data-Driven AI Forecasting &amp; Risk Management</p> <p><b>Goal:</b> Improve forecasting, optimize inventory, monitor risk, and assess vendor performance</p>	<p><b>#Week 4:</b> Advanced AI Tools &amp; Future Supply Chain Trends</p> <p><b>Goal:</b> Explore emerging AI tech, sustainability, and build a custom AI toolkit</p>
<p><b>Day 1: Intro to AI in Supply Chain &amp; Logistics</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">AI Academy – Put AI to work in supply chains</a></li><li>* Read: <a href="#">What Is AI in Supply Chain? – IBM Think article</a></li><li>* Outcome: Understand how AI can transform planning, forecasting, routing, inventory, and transparency.</li></ul> <p><b>Day 2: Generative AI Basics for Operations</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">How AI is transforming supply chain, transport and logistics</a></li><li>* Task: Use ChatGPT or Claude to draft a vendor negotiation email or delay notification.</li><li>* Outcome: See GenAI’s role in improving operational communication.</li></ul> <p><b>Day 3: Prompt Engineering for Supply Chain Tasks</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">OpenAI Prompting Guide</a></li><li>* Practice Prompt: Write a professional shipment delay email from [Supplier] to [Retailer].</li><li>* Outcome: Learn to craft prompts for operational messages, summaries, and logistics reporting.</li></ul> <p><b>Day 4: AI for Demand Drivers Ideation</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">Put AI to work in Supply Chain</a></li><li>* Task: Ask ChatGPT: List 5 demand drivers for [Product Category] in Q4 2025.</li><li>* Outcome: Discover AI-generated scenario trends to support proactive demand planning.</li></ul> <p><b>Day 5: AI for Supplier &amp; Market Analysis</b></p> <ul style="list-style-type: none"><li>* Task: Ask ChatGPT: who are leading logistics tech start-ups in North America, and what tech do they use?</li><li>* Watch: <a href="#">AI-Powered Market Research</a></li><li>* Outcome: Use AI to gather intelligence on suppliers, innovation, and competitive landscape.</li></ul>	<p><b>Day 6: AI for Route &amp; Shipment Optimization</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">Route Optimization</a></li><li>* Task: Use simple routing APIs (Google Maps API / free demos)</li><li>* Outcome: Learn how AI optimizes routes considering cost, load, and time.</li></ul> <p><b>Day 7: AI Document &amp; Invoice Processing</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">GenAI Document Automation</a></li><li>* Read: <a href="#">Supply chain content management with AI</a></li><li>* Tool: Try free demo of <a href="#">Rossum.ai</a></li><li>* Outcome: Automate invoices, bills of lading, customs docs—eliminating manual entry and errors.</li></ul> <p><b>Day 8: AI-Powered Chat for Client/Supplier Queries</b></p> <ul style="list-style-type: none"><li>* Tool: <a href="#">Tidio AI Chatbot</a> (free plan)</li><li>* Watch: <a href="#">Tidio setup demo video</a></li><li>* Outcome: Deploy a chatbot for automated tracking, order, and stakeholder communication.</li></ul> <p><b>Day 9: AI-Generated Dashboards &amp; Insights</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">Build AI dashboards in Notion</a></li><li>* Outcome: Auto-summarize KPIs, flag anomalies, create dashboards without coding.</li></ul> <p><b>Day 10: AI for Cost-Reduction Ideas</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">AI-Driven Cost Optimization in Supply Chain</a></li><li>* Task: Ask ChatGPT: Recommend 5 cost-saving strategies for mid-sized warehousing.</li><li>* Outcome: Use AI to uncover operational efficiencies and budgeting suggestions.</li></ul>	<p><b>Day 11: AI Demand Forecasting with Spreadsheets</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">GenAI for Demand Forecasting</a></li><li>* Watch: <a href="#">Demand planning with GenAI</a></li><li>* Outcome: Build a basic AI-enhanced demand forecasting model using GenAI.</li></ul> <p><b>Day 12: AI for Inventory Optimization</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">Inventory Optimization with AI</a></li><li>* Watch: <a href="#">How AI can improve your warehouse with Intelligent Inventory Optimization?</a></li><li>* Outcome: Configure AI-driven reorder points and buffer stock strategies.</li></ul> <p><b>Day 13: AI Risk Alerts &amp; Disruption Detection</b></p> <ul style="list-style-type: none"><li>* Tool: <a href="#">Prewave</a> (free trial)</li><li>* Watch: <a href="#">How AI Can Upscale Your Supply Chain Risk Management</a></li><li>* Outcome: Monitor weather, strikes, and supplier warnings using AI alerts.</li></ul> <p><b>Day 14: Vendor &amp; Carrier Performance Review</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">AI in Procurement</a></li><li>* Prompt: Generate a summary ranking vendors by lead time, reliability, and cost.</li><li>* Outcome: Let AI analyze performance metrics to assist vendor management decisions.</li></ul> <p><b>Day 15: No-Code Workflow Automation</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">Automating with Zapier + ChatGPT</a></li><li>* Outcome: Automate routine status updates, reminders, and communication triggers—no dev work.</li></ul>	<p><b>Day 16: AI for Sustainability &amp; Carbon Tracking</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">AI-Enhanced Decision-Making for Sustainable Supply Chains</a></li><li>* Outcome: Identify and reduce carbon impact via AI-based sustainability planning.</li></ul> <p><b>Day 17: Robotics + AI in Smart Warehousing</b></p> <ul style="list-style-type: none"><li>* Watch: <a href="#">AI-Powered Warehouses</a></li><li>* Read: <a href="#">Smart Warehouses article</a></li><li>* Outcome: Learn warehousing automation trends: robots, drones, RFID, digital twins.</li></ul> <p><b>Day 18: AI Ethics &amp; Data Governance in Logistics</b></p> <ul style="list-style-type: none"><li>* Read: <a href="#">AI in supply chain ethics &amp; compliance</a></li><li>* Outcome: Understand bias, transparency, privacy, and regulatory issues in AI use.</li></ul> <p><b>Days 19–20: Build Your AI Supply Chain Toolkit</b></p> <ul style="list-style-type: none"><li>* Task: Map your top 5 supply chain use cases and assign each a tool from the roadmap.</li><li>* Outcome: Create a personalized AI stack to incorporate into daily workflows.</li></ul> <p><b>Disclaimer:</b> This roadmap is for educational purposes only and references publicly available tools and resources that are free or freemium as of August 2025. I do not own, endorse, or represent any third-party platforms mentioned. Always verify data privacy, security, and compliance requirements before adopting AI tools in your organization. Views expressed are my own.</p>