

The Enterprise AI Revolution: How AI Technologies are Unlocking Value Across the Med Tech Value Chain

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ABSTRACT

The med-tech value chain is being re-shaped by enterprise-grade AI technologies that deliver measurable gains while meeting the bar for safety, quality, and compliance. In this presentation, I'll share how GE HealthCare applies machine learning and GenAI—end to end—to improve manufacturing performance, reduce cost and improve customer service. We'll walk through end-to-end use cases including computer-vision applications to reduce scrap and variation; touchless demand and revenue forecasting that has improved accuracy with corresponding gains in on-time delivery and working-capital reductions; scheduling and logistics optimization; and GenAI-assisted quality applications. Beyond the algorithms, I'll

highlight the socio-technical pieces that make these systems stick: robust MLOps, human-in-the-loop workflows, and alignment to regulatory and safety expectations. The session is designed for a diverse audience—researchers, practitioners, and leaders across industries—offering concrete examples of AI applications across the med-tech value chain, with measurable outcomes when scaling AI across the enterprise.

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