

The background is a vibrant, stylized illustration of a grand, domed building, likely a university or government structure. The building features large, arched windows and a prominent central dome. In the foreground, several people are walking on a paved plaza, and a bicycle is parked. The scene is set under a bright, sunny sky with some clouds.

# Welcome and State of AI


Peter McCaffrey, MD, MS, FCAP  
Chief AI Officer  
University of Texas Medical Branch

# We Are At A Unique Moment

- AI's potential is real, not speculative
- Healthcare likely will see the most transformation
- Implementation is going to dictate success



## Top AI Trends in 2025: Transforming the Way Enterprises Work

-  **01 Complex Problem Solving**  
AI's ability to solve complex problems through advanced ML algorithms helps optimize operations and improve decision-making
-  **02 Elevating Technological Potential**  
Innovations in AI are driving the development of advanced robotics, autonomous systems, and intelligent software, enabling automation
-  **03 Agentic AI**  
Agentic AI systems act autonomously, using reinforcement learning and LLMs to adapt their behavior based on environmental feedback
-  **04 HR Automation Solutions**  
Human resources are being revolutionized by automating administrative tasks, improving recruitment processes, and enhancing employee engagement
-  **05 AI-Powered Finance**  
Streamlined operations and improved accuracy in finance with automated invoice processing, reduced errors, and enhanced financial control through Intelligent Document Processing (IDP) and Intelligent Character Recognition (ICR)