

Imaging AI Orchestration Platform

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.

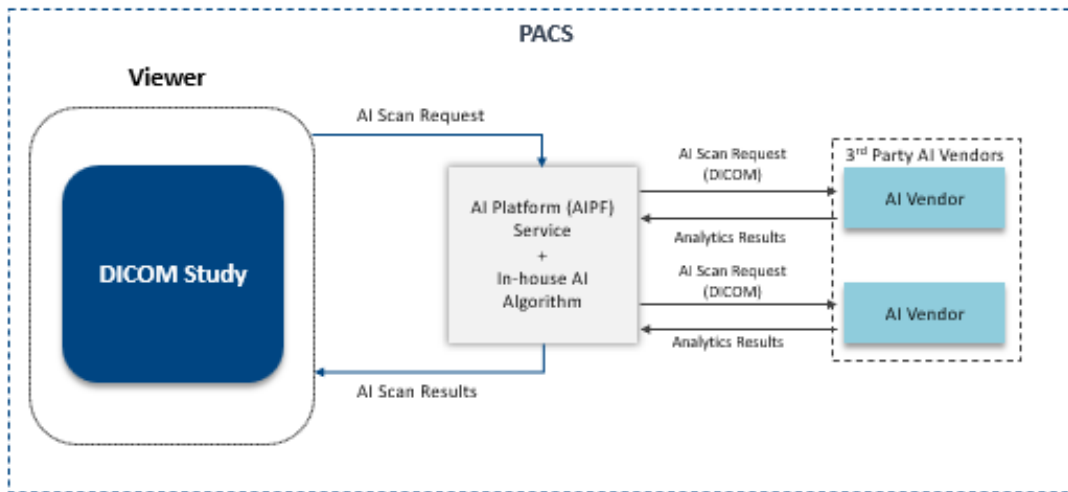
Get in touch: info@citius.tech



Client Requirements

- The client, a leading supplier of diagnostic imaging software, necessitated CitiusTech's assistance to augment the Image Viewer.
- The client needed enabling support for AI scanning through preconfigured algorithms and to showcase the analysis (findings) delivered by the AI algorithm alongside annotations and measurements within the viewer.

Solution Schematic



CitiusTech Solution

- Provided option in PACS to configure and integrate AI algorithms from various vendors, including the client's in-house AI algorithm.
- Helped in automating AI algorithm selection for medical imaging based on modality, coupled with preconfigured algorithms for specific medical condition
- Displayed the Computer-Aided Detection (CAD) findings feature on the Image Viewer and presented alongside other annotations, measurements, and relevant information
- Enabled users to turn on or off the presentation of AI-generated insights, and can accept or reject the AI findings
- Added option to toggle between multiple findings and view it across multiple frames and tiles
- Added a feature to add notes at study level in case the AI findings are available

Value Delivered:

- Streamlined diagnostic process by automating the modality-based selection of AI algorithms
- Improved the process by toggling between multiple AI findings, accept or reject them, and add contextual notes
- Improve flexibility by giving different vendors option and preconfigured algorithms
- Provided Comprehensive view with AI findings alongside with their own annotations and measurements across multiple frames and tiles