Healthcare
Data Science & AI

Combining deep healthcare
expertise with data science
for business excellence

CitiusTech

170+
Data science & EI professionals

25+
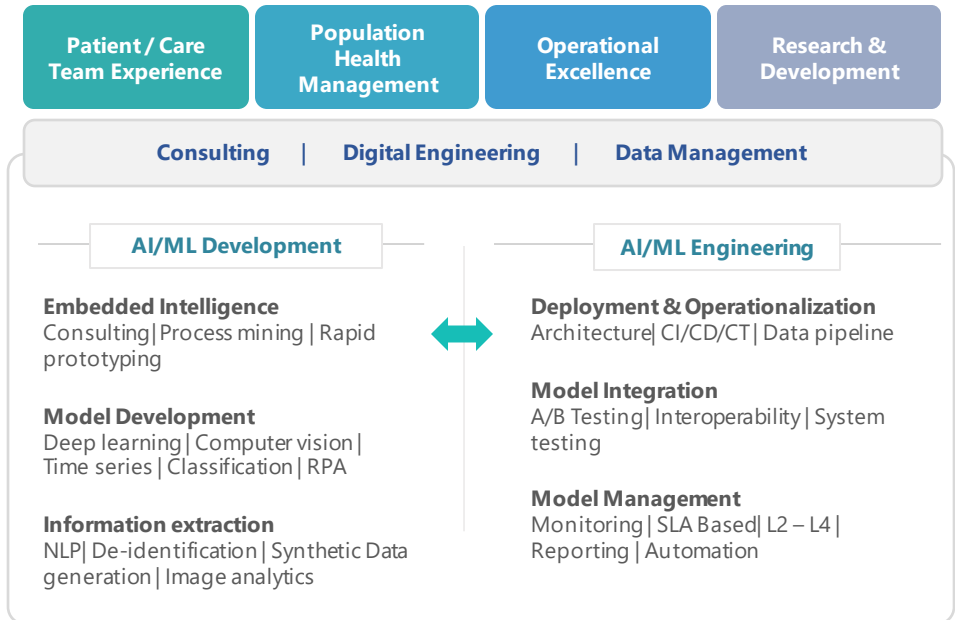Healthcare customers

80+
Data science models developed

300+
Healthcare RPA bots developed

Specialized Data Science Solutions Focused on Outcomes, Experience and Value

CitiusTech's **Data Science & AI** proficiency combines deep healthcare expertise with Data Science and Intelligent Automation to help customers transform business processes, enhance customer experience and drive growth and profitability. We focus on enabling greater process efficiencies and better business decisions – in turn impacting outcomes, experience and value..

Our Data Science & AI solutions are designed purely for healthcare workflows, data models and use cases. We use multiple approaches to build and deploy Data Science solutions, while developing deep expertise across complex healthcare data, workflows and user groups.

Patient / Care Team Experience	Population Health Management	Operational Excellence	Research & Development

Consulting | Digital Engineering | Data Management

AI/ML Development

Embedded Intelligence
Consulting | Process mining | Rapid prototyping

Model Development
Deep learning | Computer vision | Time series | Classification | RPA

Information extraction
NLP | De-identification | Synthetic Data generation | Image analytics

AI/ML Engineering

Deployment & Operationalization
Architecture | CI/CD/CT | Data pipeline

Model Integration
A/B Testing | Interoperability | System testing

Model Management
Monitoring | SLA Based | L2 – L4 | Reporting | Automation

Data Science & AI: Success Stories

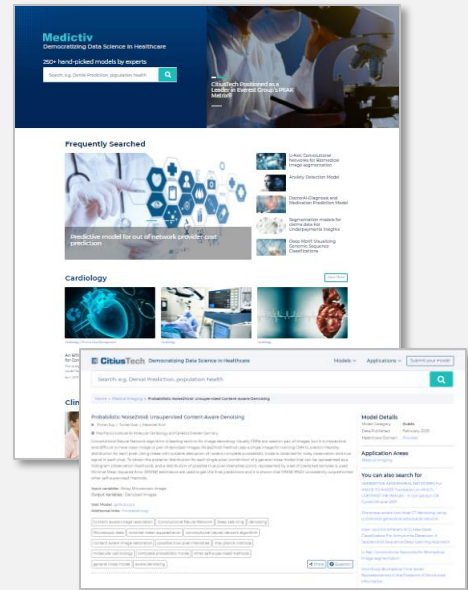| **Global biopharma leader**	**Wrinkle detection, age prediction - clinical consultation** • Enabled telehealth consultations for patients • Simulated Botox treatment effect by smoothening wrinkles in 2D & 3D • Extracted images with real time feedback. • Deep Learning & CNN models
Leading provider of renal care services	**Management of CKD3+ patients** • Enabled proactive interventions and better care • Categorized progressors & non progressors • Trained the model on ~5 years of Stage 3 CKD patients. • Models compute readmission risk
Leading provider of medical imaging technology	**Radiologist trained AI tool** • Patient summary extracted from unstructured EHR notes • Enabled radiologists to make better informed decisions • Sentence segmentation, context extraction & parsing non-narrative text
Leader in chronic care management	**Intelligent member management (65+ / MCC groups)** • Increased cohort selection by 17%, maintaining MLR limits • Incorporated engagement and impact propensity in revising cohort selection
Claims mgmt. tech. provider	**Embedding intelligence in claims mgmt. workflows** • Deployed algorithms to guide claims renegotiation. • Delivered 4X RoI
Major biopharma company	**Risk stratification of patients developing DRE** • 2+ years of R&D collaboration with clinical, AI and technology teams • Actively supported SaMD class 2b filing with FDA

Medictiv
AI/ML Model Repository

250+ Healthcare AI models, curated by CitiusTech, to help healthcare organization lower time to value.

medictiv.citiustech.com

About CitiusTech

CitiusTech (www.citiustech.com) is a leading provider of healthcare technology services, solutions and platforms to over 130 organizations across the payer, provider, medical technology and life sciences markets. With over 5,000 technology professionals worldwide, CitiusTech powers healthcare digital transformation through next-generation technologies, solutions and accelerators. Key focus areas include healthcare interoperability & data management, quality & performance analytics, value-based care, omni-channel member experience, connected health, virtual care coordination & delivery, personalized medicine and population health management. CitiusTech has two subsidiaries, FluidEdge Consulting (www.fluidedgeconsulting.com) and SDLC Partners (www.sdlcpartners.com), with deep expertise in healthcare consulting and payer technologies, respectively. CitiusTech's cutting-edge technology expertise, deep healthcare domain expertise and a strong focus on digital transformation enables healthcare organizations to reinvent themselves to deliver better outcomes, accelerate growth, drive efficiencies, and ultimately make a meaningful impact to patients.

Princeton | Rochester | Dallas | Boston | Philadelphia | Pittsburgh | Clarksville | Ontario | Mumbai | Airoli | Pune | Bengaluru | Chennai | Hyderabad | Gurgaon | London | Dubai | Singapore

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