

DIAGNOSING COVID-19

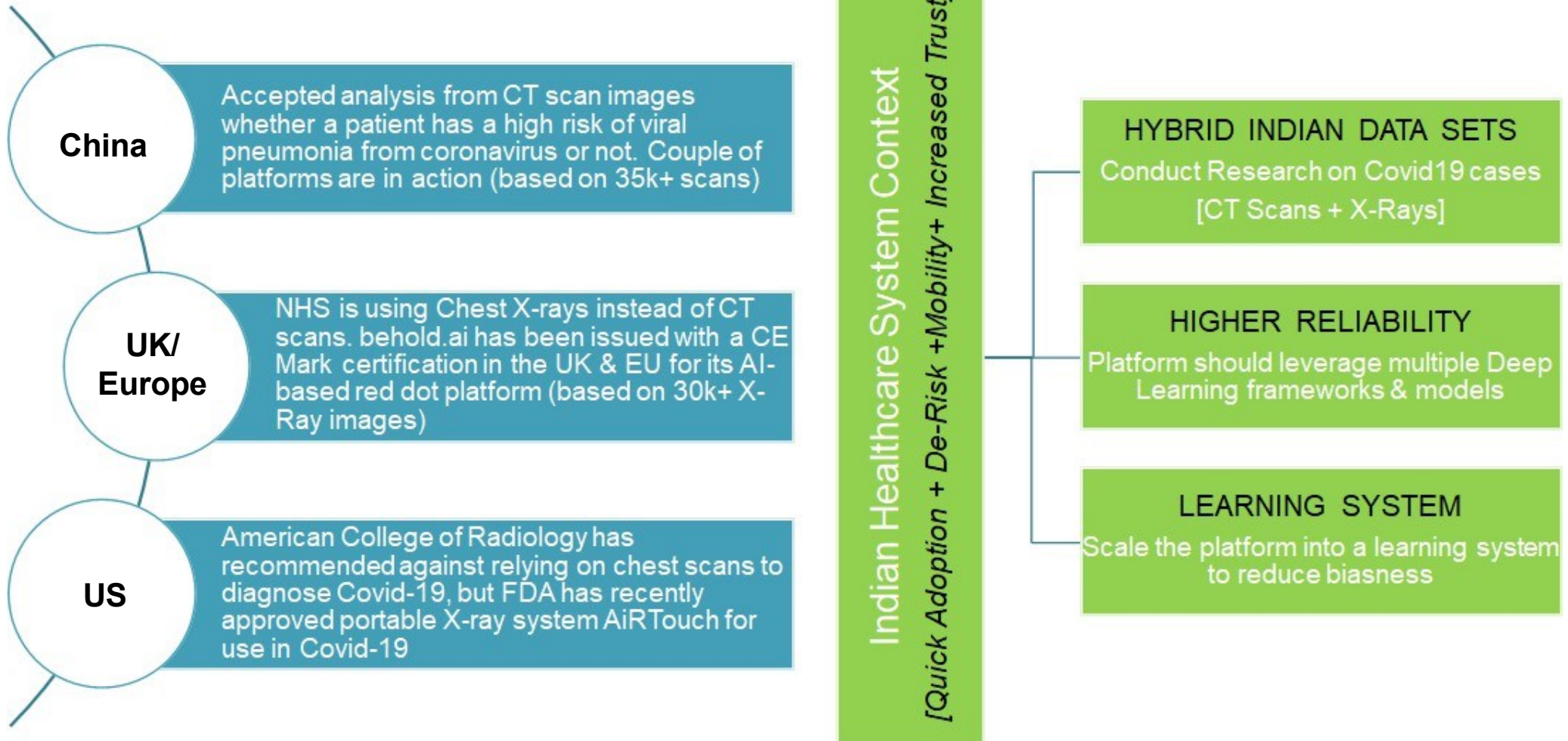
AI-BASED IMAGE ANALYSIS

DEEP INSIGHTS ANALYZER (DIA)

FOR MEDICAL IMAGES

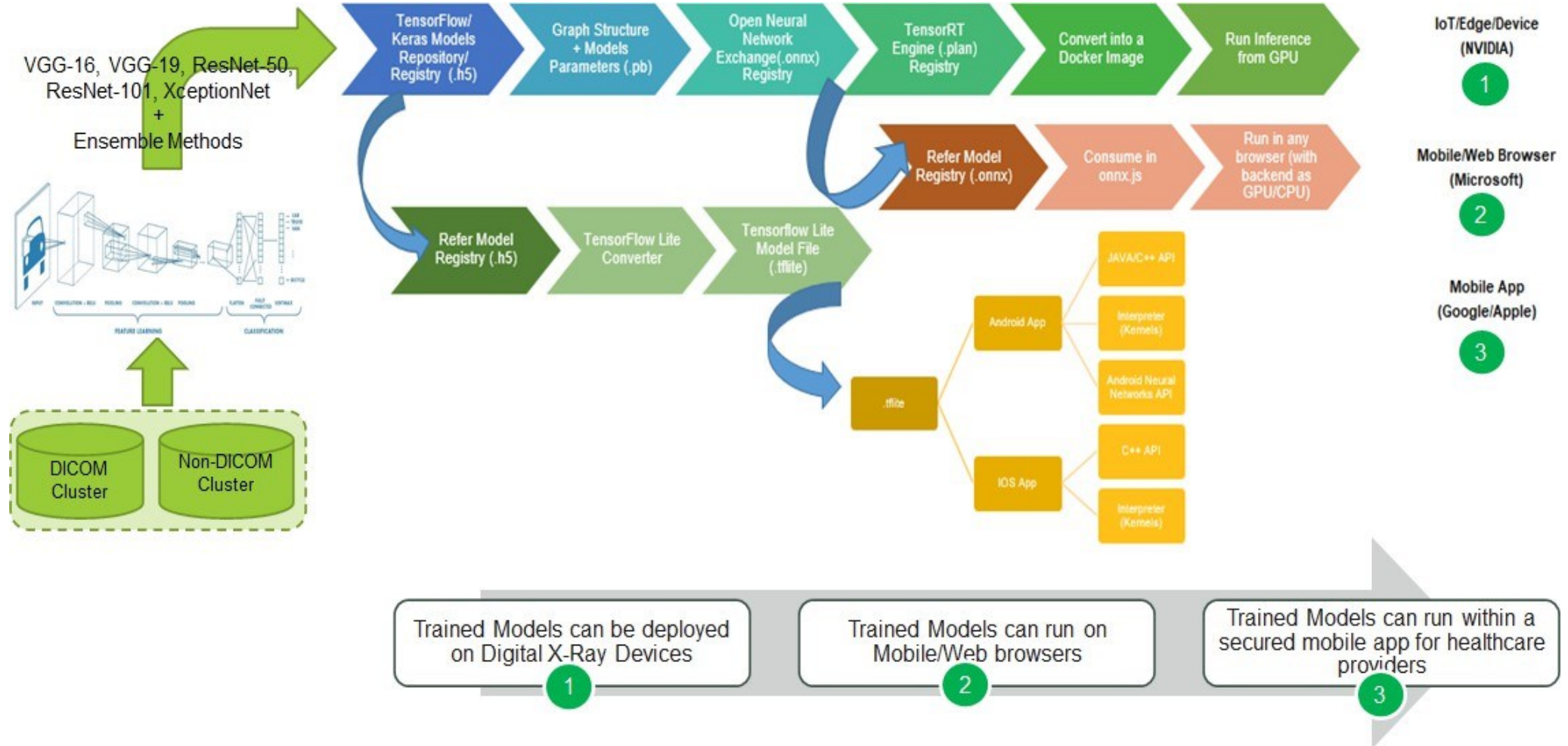
Problem Statement

Improve Reliability from X-Rays + CT Scans to quickly triage patients



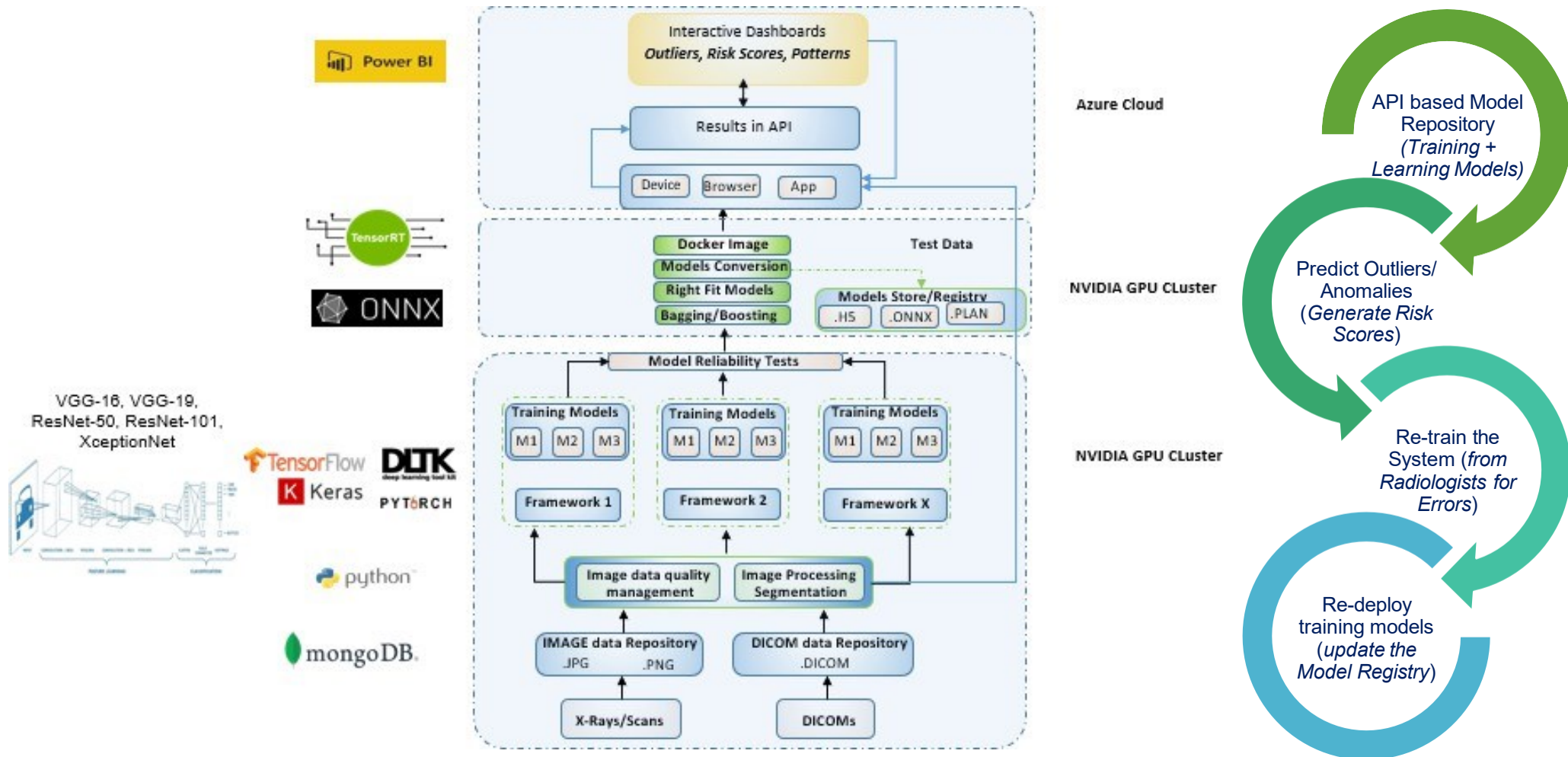
Methodology

Design to Deploy



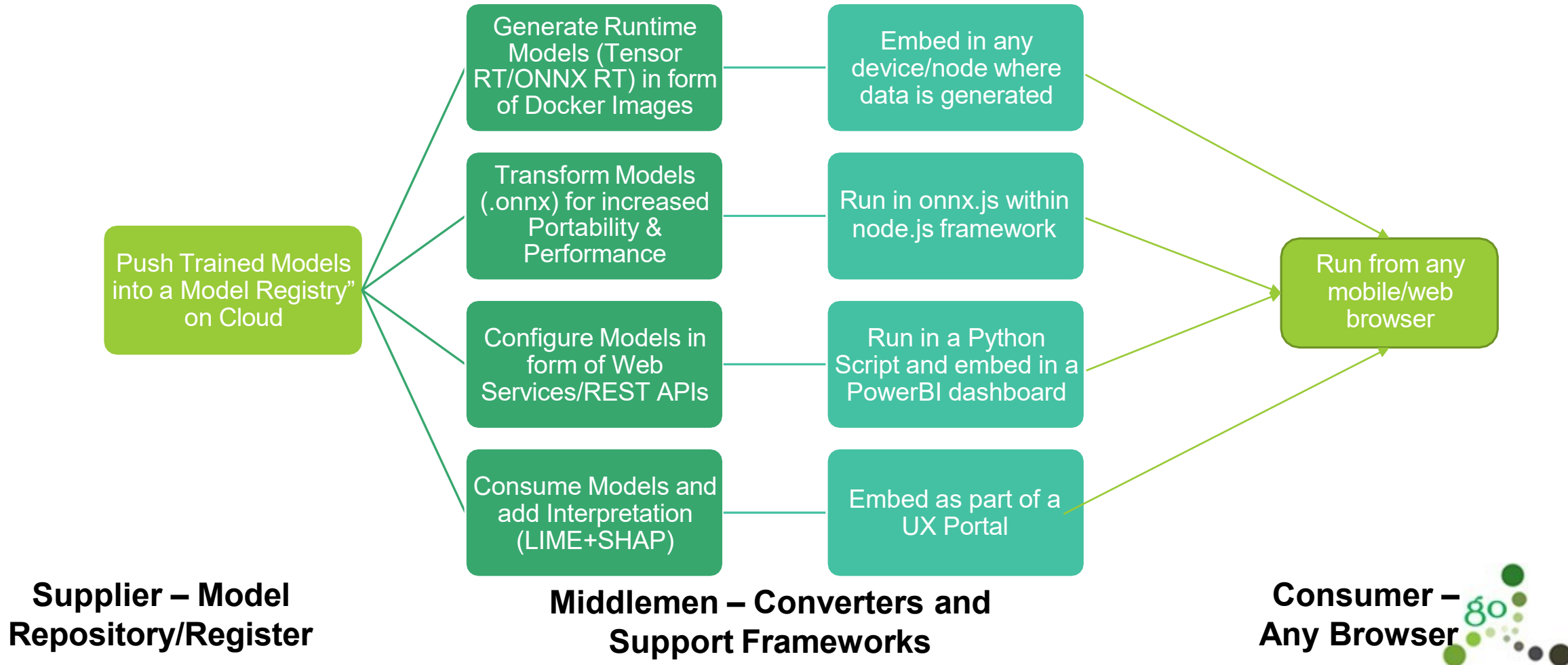
Technical Stack

Building Blocks



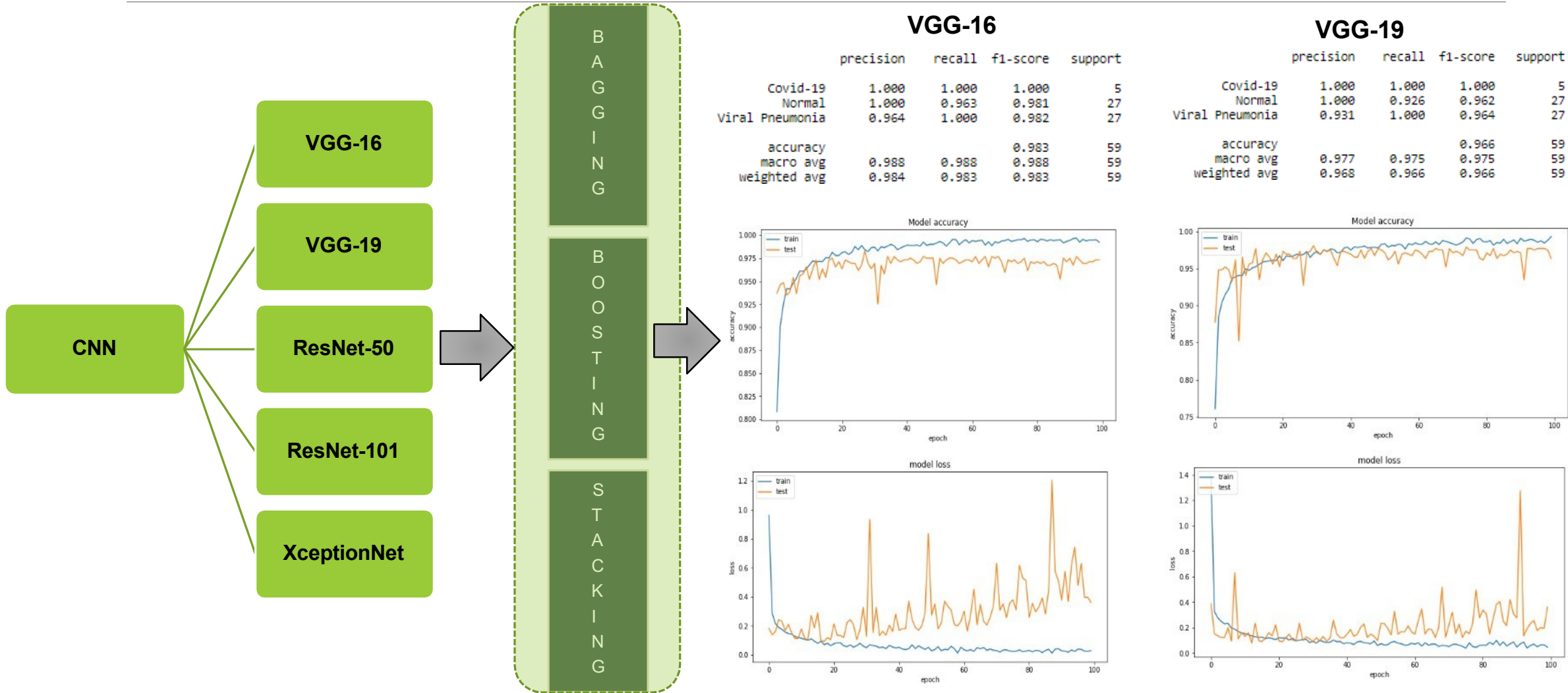
Technical Stack

Building Blocks from a Model Consumption perspective



Solution

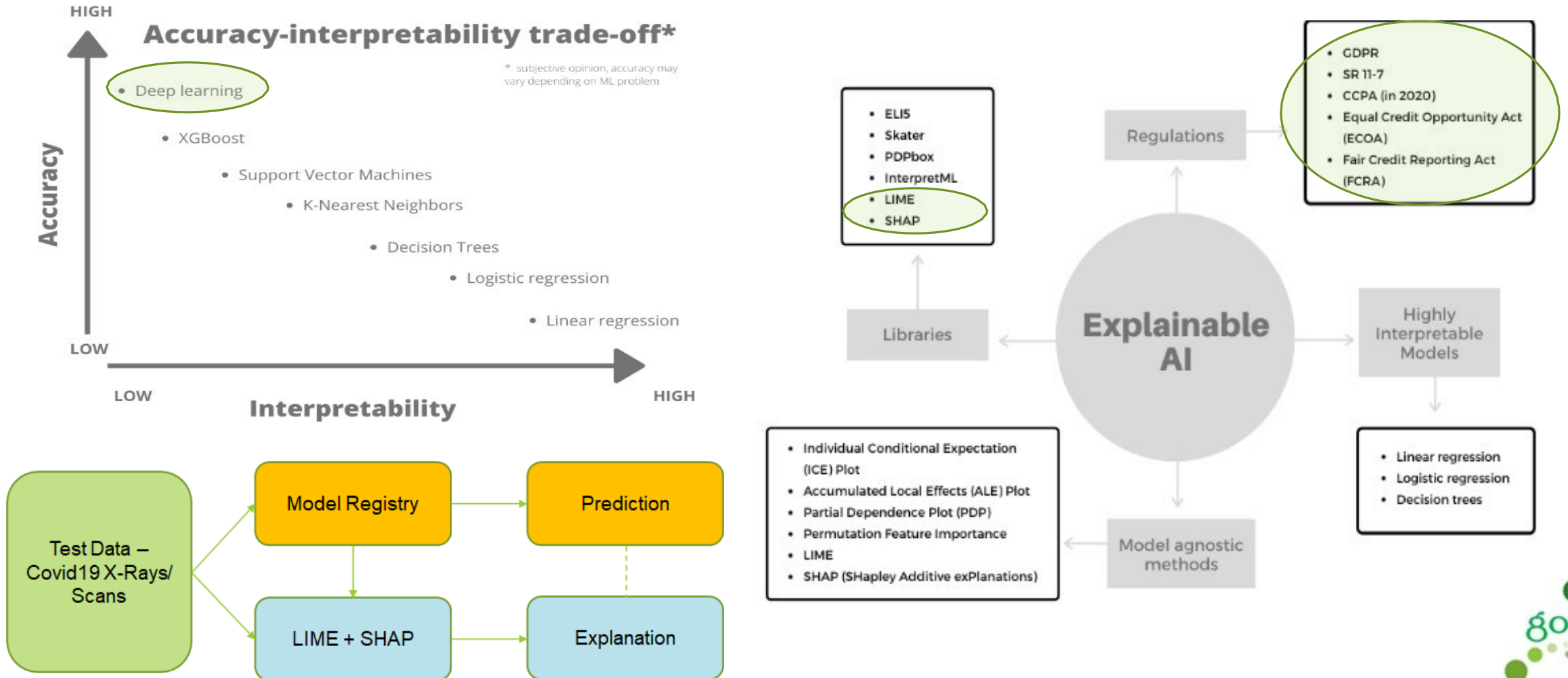
Model Design



Solution

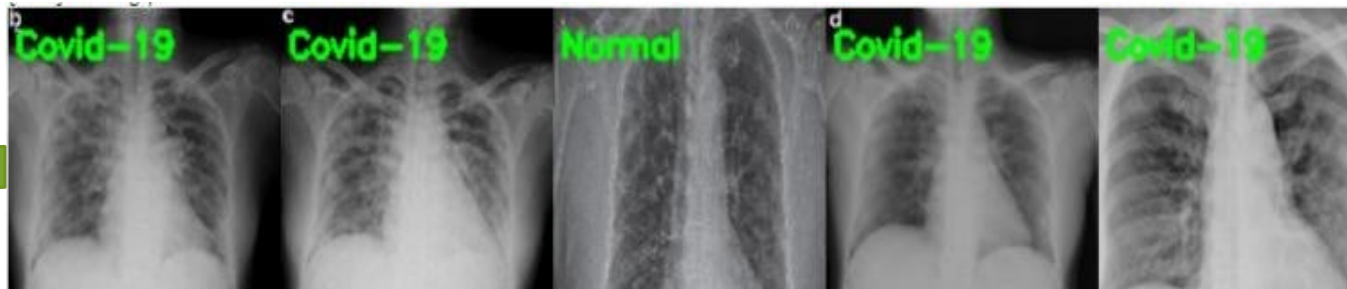
UX Design using Explainable AI - Context

LIME (Local interpretable model-agnostic explanations)
SHAP (SHapley Additive exPlanations)

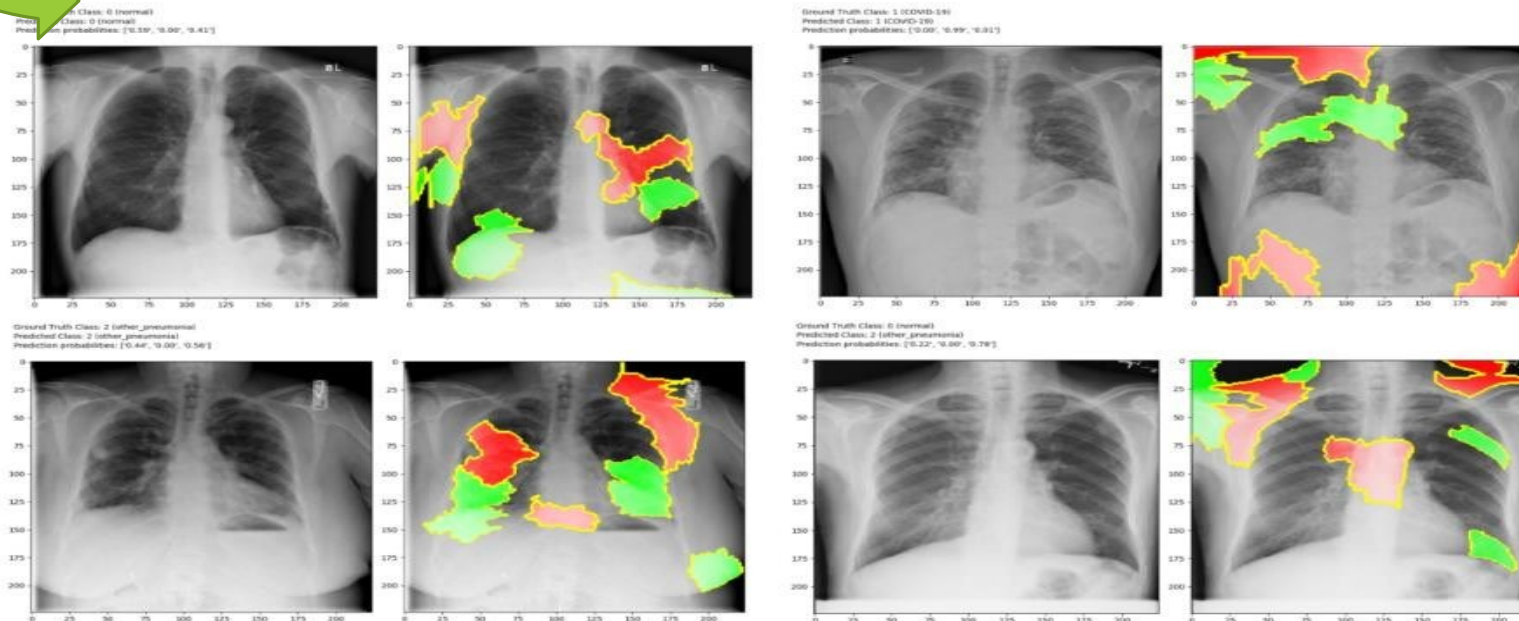


Solution

UX Design using Explainable AI - Snapshots



Running the models in a GPU cluster



LIME (Local interpretable model-agnostic explanations)
SHAP (SHapley Additive exPlanations)





Applied Analytics for Digital Enterprises

Thank You

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