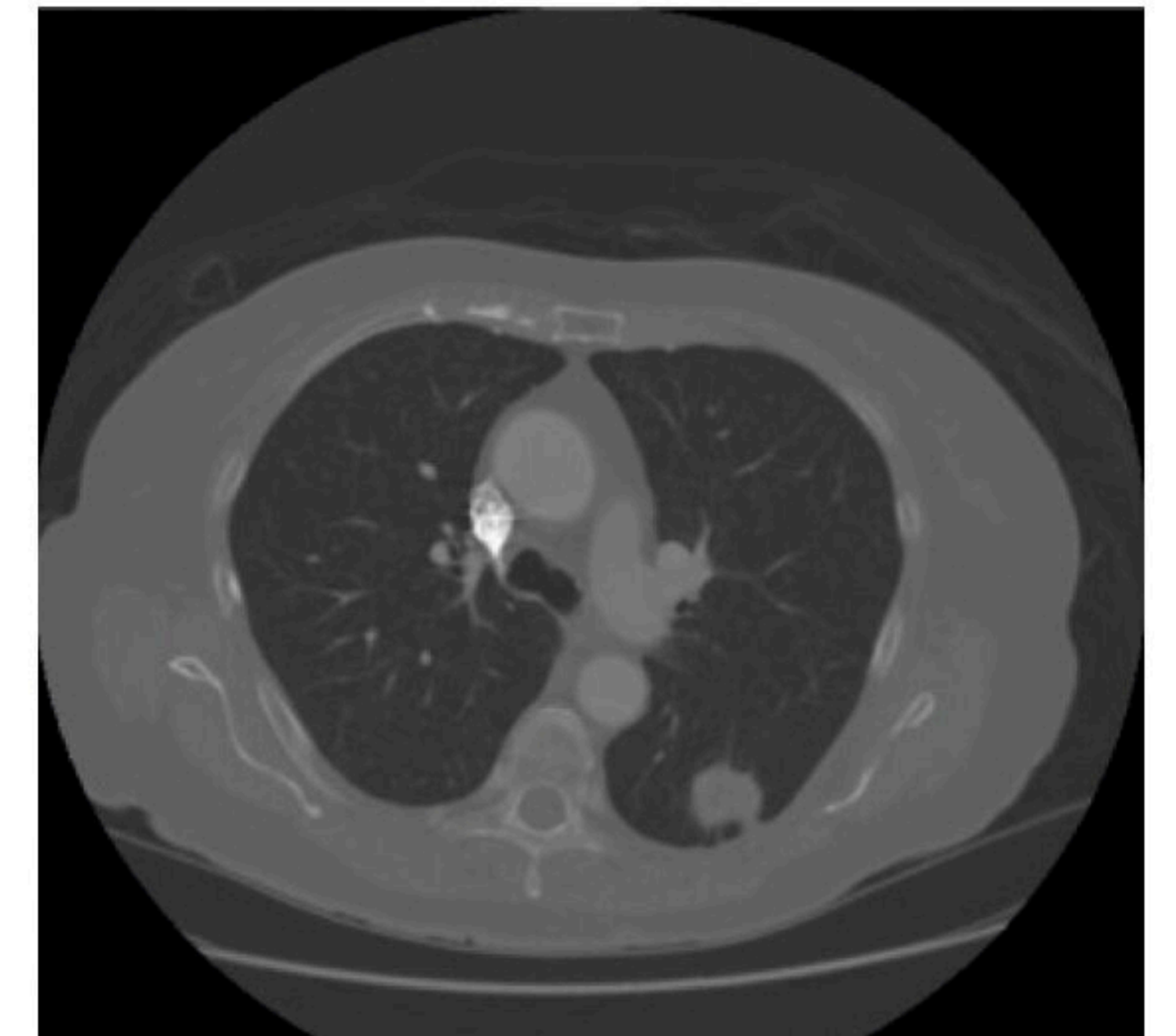# COVID-19 CT IMAGE CLASSIFICATION FEATURES
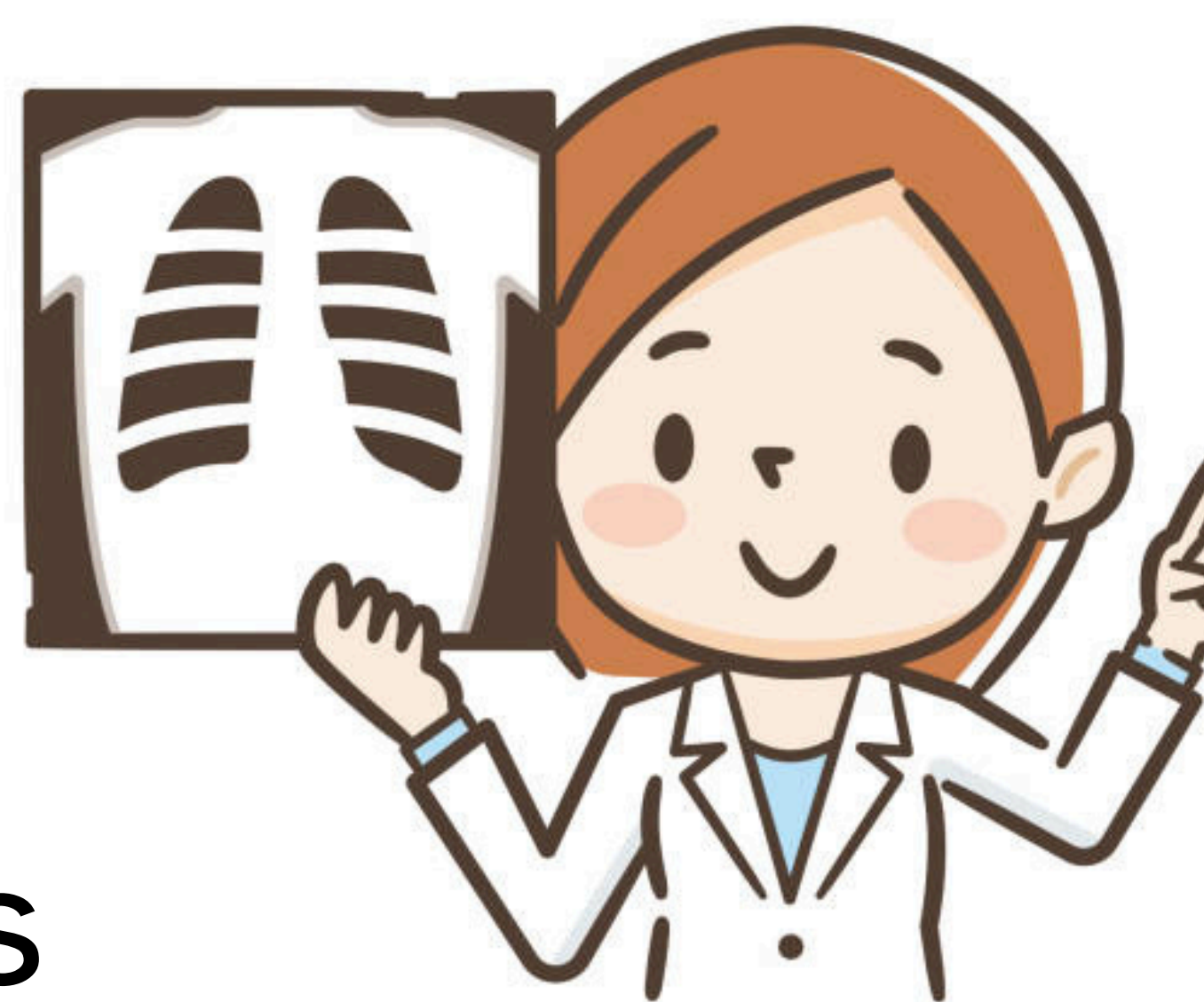
PROBLEM STATEMENT

Classification of Lung Images Based on CT Features: GGO, Consolidation, Crazy Paving, Fibrosis, and Normal

POTENTIAL USERS

Radiologists
Physicians
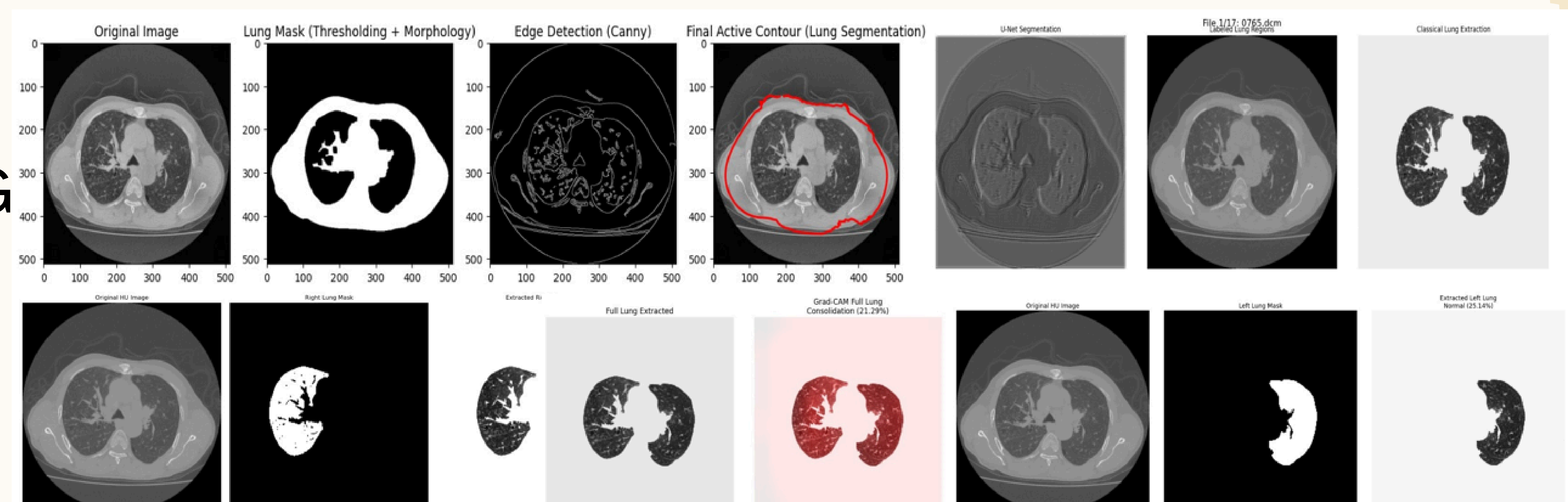Diagnostic Centers
Medical Researchers
Telemedicine Platforms

SCOPE AND OBJECTIVES

Develop an AI-based system to classify lung CT images into five categories for accurate diagnosis of respiratory conditions.

METHODS

DATA COLLECTION & PREPROCESSING
FEATURE EXTRACTION
MODEL DEVELOPMENT
EVALUATION & EXPLAINABILITY
DEPLOYMENT

CURRENT PROGRESS

Collected and Preprossed CT Data
Trained CNN With Radionics Model
Added Explainability With Grad-CAM
Achieved Accurate Lung Classificatio

LEARNING

This project enhances understanding of deep learning and radiomics for medical image classification. It also builds practical skills in model development, evaluation, and deployment for real-world healthcare applications.

TEAM INFORMATION

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