Implementation of System

ChestVision AI - Pre-trained Model Edition

ChestVision AI - Pre-trained Analysis
Using pre-trained models for chest X-ray disease prediction

Ready - Load an X-ray image

Controls

[Load X-Ray Image] [Analyze Image] [Save Report] [Clear]

X-Ray Image

No image loaded

Analysis Results

| Summary | Detailed Report | Probabilities | Heatmap Analysis |

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Analysis complete

Controls

[Load X-Ray Image] [Analyze Image] [Save Report] [Clear]

X-Ray Image

Analysis Results

| Summary | Detailed Report | Probabilities | Heatmap Analysis |

Executive Summary:
- Lung Opacity (79.3% probability): Description not available
- COVID (70.0% probability): Viral infection causing ground-glass opacities and consolidations.
- Effusion (66.8% probability): Fluid buildup in the pleural space.
- Mass (62.1% probability): Larger abnormal growth in the lung.
- Pleural_Thickening (59.7% probability): Description not available

Screenshot 1

ChestVision AI - Pre-trained Model Edition   — □ ✕

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Analysis complete

Controls

[🗁 Load X-Ray Image] [🔬 Analyze Image] [🖫 Save Report] [🗑 Clear]

X-Ray Image

Analysis Results

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Comprehensive Chest X-Ray Analysis Report
Generated on: 2025-08-22 00:21:47

1. Overview
This report provides AI-assisted analysis of the chest X-ray using pre-trained deep learning
models. Probabilities indicate likelihood of detected pathologies. All findings should be ve
rified by a qualified radiologist.

2. Detailed Probability Analysis
- Lung Opacity: 79.30%
  Description: No description available
  Risk Level: High
  Urgency: Consult a medical professional
  Recommendation: Immediate medical attention recommended. Consult a physician urgently.

- COVID: 70.00%
  Description: Viral infection causing ground-glass opacities and consolidations.
  Risk Level: Medium
  Urgency: High - Immediate isolation and testing advised
  Recommendation: Follow-up with a healthcare provider is advised.

- Effusion: 66.76%
  Description: Fluid buildup in the pleural space.
  Risk Level: Medium
  Urgency: Consult a medical professional
  Recommendation: Follow-up with a healthcare provider is advised.

- Mass: 62.09%
  Description: Larger abnormal growth in the lung.
  Risk Level: Medium
  Urgency: Consult a medical professional
  Recommendation: Follow-up with a healthcare provider is advised.

- Pleural_Thickening: 59.66%
  Description: No description available
```

Screenshot 2

ChestVision AI - Pre-trained Model Edition   — □ ✕

ChestVision AI - Pre-trained Analysis
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Analysis complete

Controls

[🗁 Load X-Ray Image] [🔬 Analyze Image] [🖫 Save Report] [🗑 Clear]

X-Ray Image

Analysis Results

| Summary | Detailed Report | Probabilities | Heatmap Analysis |

- Lung Opacity: 79.3%
- COVID: 70.0%
- Effusion: 66.8%
- Mass: 62.1%
- Pleural_Thickening: 59.7%
- Atelectasis: 57.5%
- Infiltration: 56.6%
- Fibrosis: 54.1%
- Consolidation: 53.0%
- Fracture: 52.5%
- Nodule: 52.1%
- Pneumothorax: 52.0%
- Emphysema: 50.5%
- Enlarged Cardiomediastinum: 48.8%
- Pneumonia: 24.8%
- Edema: 17.5%