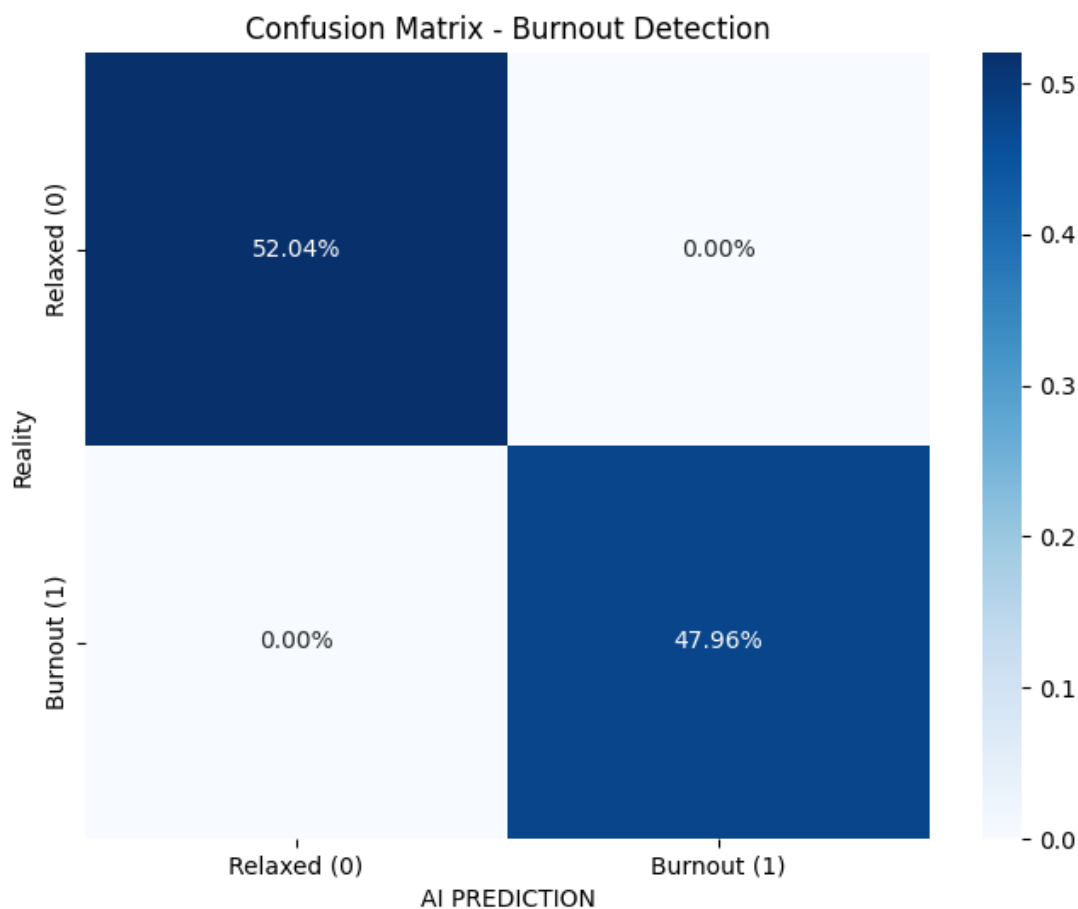# Confusion Matrix

1- Interpretation of the Confusion Matrix Image:

The structure is a square divided into 4 quadrants:

1.1. Vertical/Left Axis:

The True Label. Represents the patient's actual state.

- 0 = Relaxed.
- 1 = Burnout.

1.2. Horizontal/Bottom Axis:

Predicted Label. Represents what the AI predicted.

- 0 = AI said it is Relaxed.
- 1 = AI said it is Burnout. Therefore:
- The upper left quadrant (0,0):
    - The patient was relaxed.
    - The AI said they were relaxed.

- Conclusion: The AI correctly predicted the healthy state.
- The lower right quadrant (1,1):
  - The patient had Burnout.
  - The AI said the patient had Burnout.
  - Conclusion: The AI correctly predicted the Burnout state.
- The upper right quadrant (0,1):
  - The patient was relaxed.
  - The AI said the patient was experiencing burnout.
  - Conclusion: The AI was wrong in saying that the patient was experiencing burnout.
- The lower left quadrant (1.0):
  - The patient was experiencing burnout.
  - The AI said the patient was relaxed.
  - Conclusion: The AI was wrong in saying that the patient was relaxed.