

# Model Explainability Report

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## 1. Model Summary

**Model Key:** dog\_cat

**Model Name:** ['Cat', 'Dog']

**Prediction:** Dog

**Confidence:** 0.9986

**Input Image**



## 2. Grad-CAM Visualization



(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

## 3. SHAP Attribution Visualization



(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

## 4. Grad-CAM vs SHAP Comparison

(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.

## 5. Fidelity Metrics

```
{  
  "ssim": 0.88  
}
```

## 6. Robustness Metrics

```
{  
  "var": 0.2  
}
```

## 7. Combined Interpretation Summary

(LLM unavailable) Grad-CAM highlights spatial regions that strongly influence the model's prediction. Warm regions reflect high importance and should ideally align with meaningful object structure.