Model Explainability Report

Generated at: 2025-11-22T12:18:47.459386

1. Model Summary

Model Key: dog_cat

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

Prediction: Dog

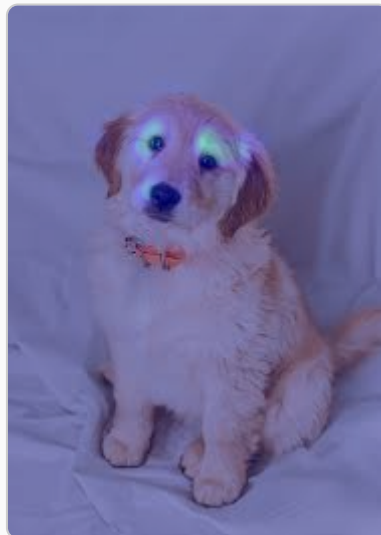**Confidence:** 0.9986

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.

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5. Fidelity Metrics

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

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6. Robustness Metrics

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

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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.