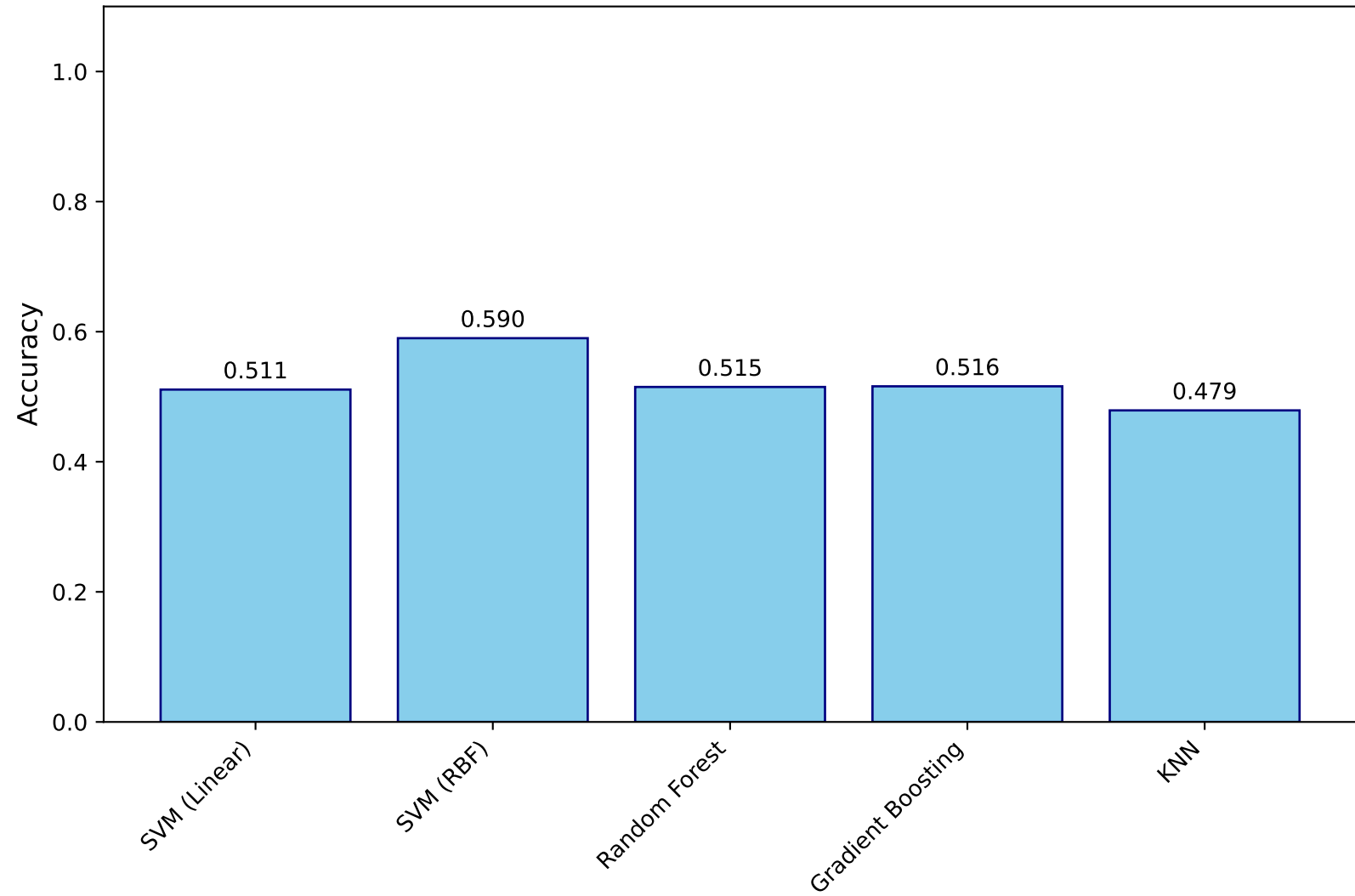# CIFAR-10 Animal Classification Report

Generated: 2025-07-10 21:19:01

Models Evaluated: 5
Best Model: SVM (RBF)
Best Accuracy: 0.5900

Model Results:
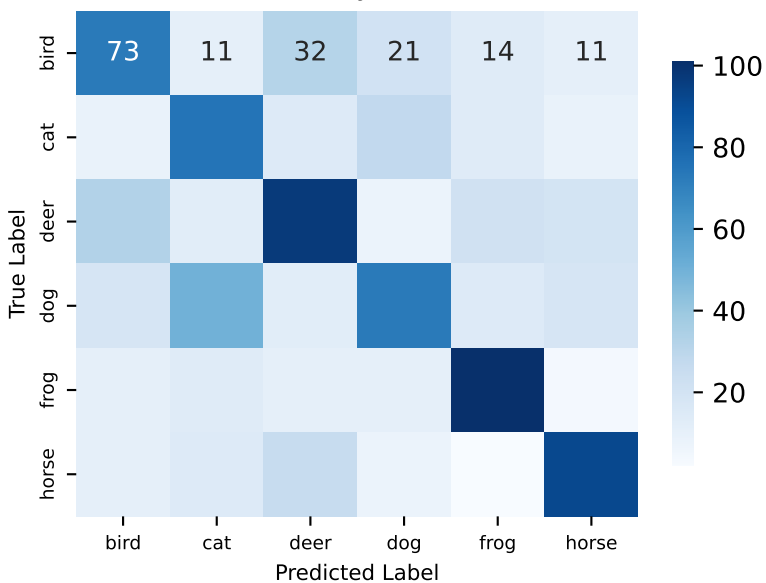
SVM (Linear): 0.5110
SVM (RBF): 0.5900
Random Forest: 0.5150
Gradient Boosting: 0.5160
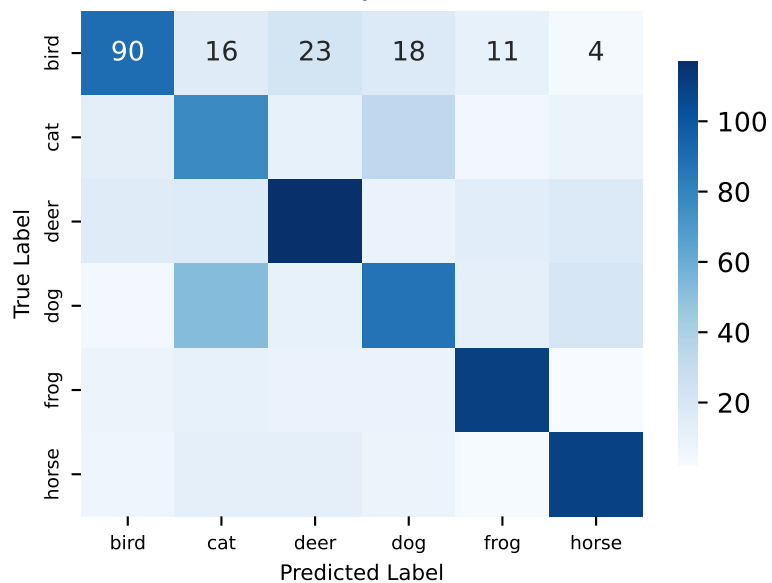KNN: 0.4790

Model Performance Comparison
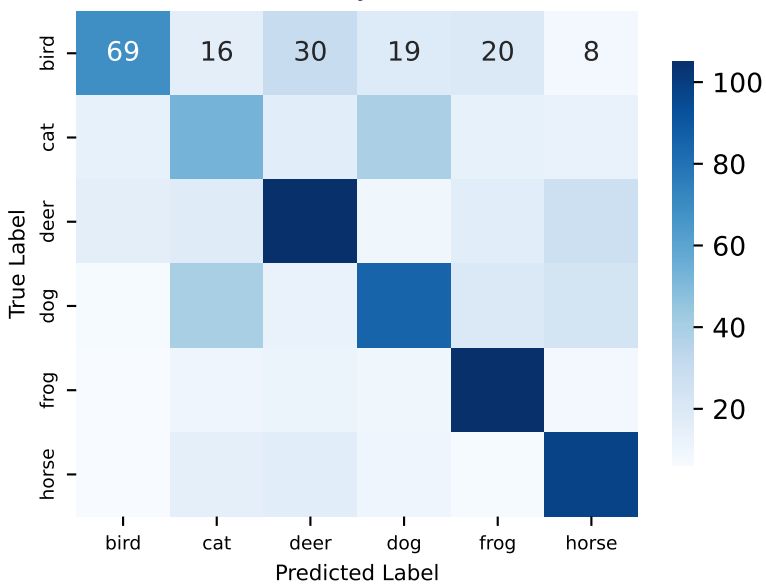
Confusion Matrices
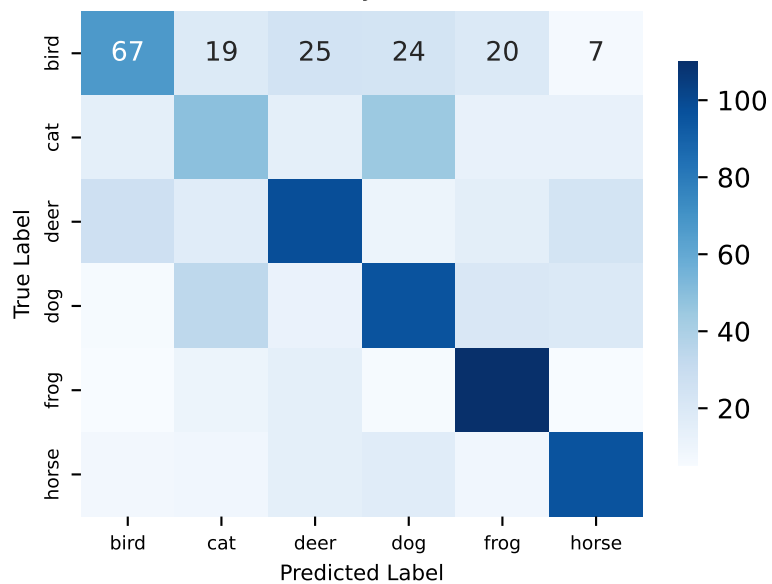
SVM (Linear)
Accuracy: 0.511

SVM (RBF)
Accuracy: 0.590

Random Forest
Accuracy: 0.515

Gradient Boosting
Accuracy: 0.516

KNN
Accuracy: 0.479