Using device: CUDA

Task execution time: 28.96 seconds

Completed Tasks:

Task 1.1: Load CIFAR-10 Dataset ✓

Reset (Clear Task)

CIFAR-10 Image Classification with BoVW and CNN

This application implements image classification on the CIFAR-10 dataset using:

- Bag of Visual Words (BoVW) model with SVM classifier
- Deep Learning approach with ResNet-18 CNN
- Data augmentation techniques

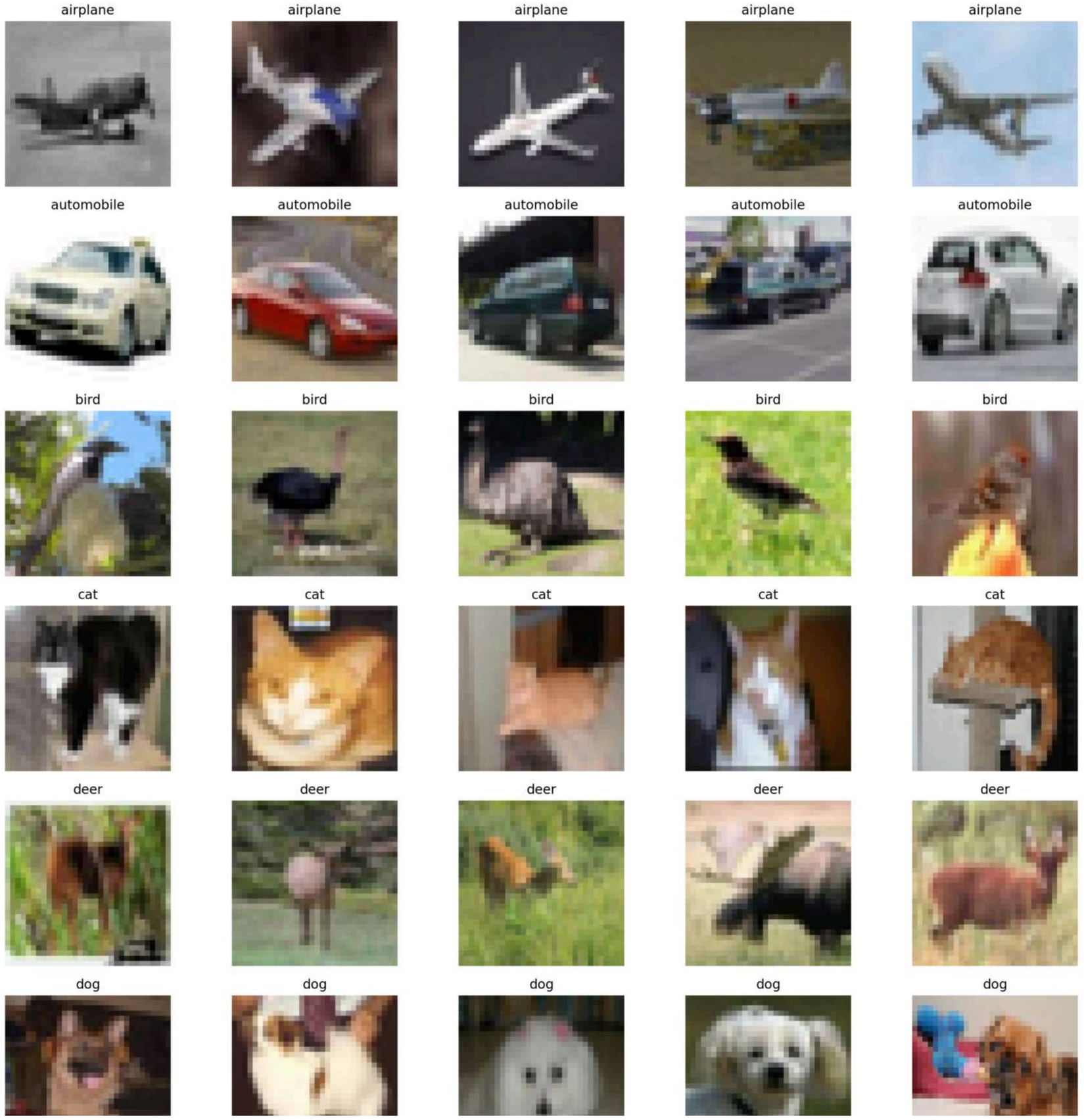
Follow the tasks step by step using the dropdown menu.

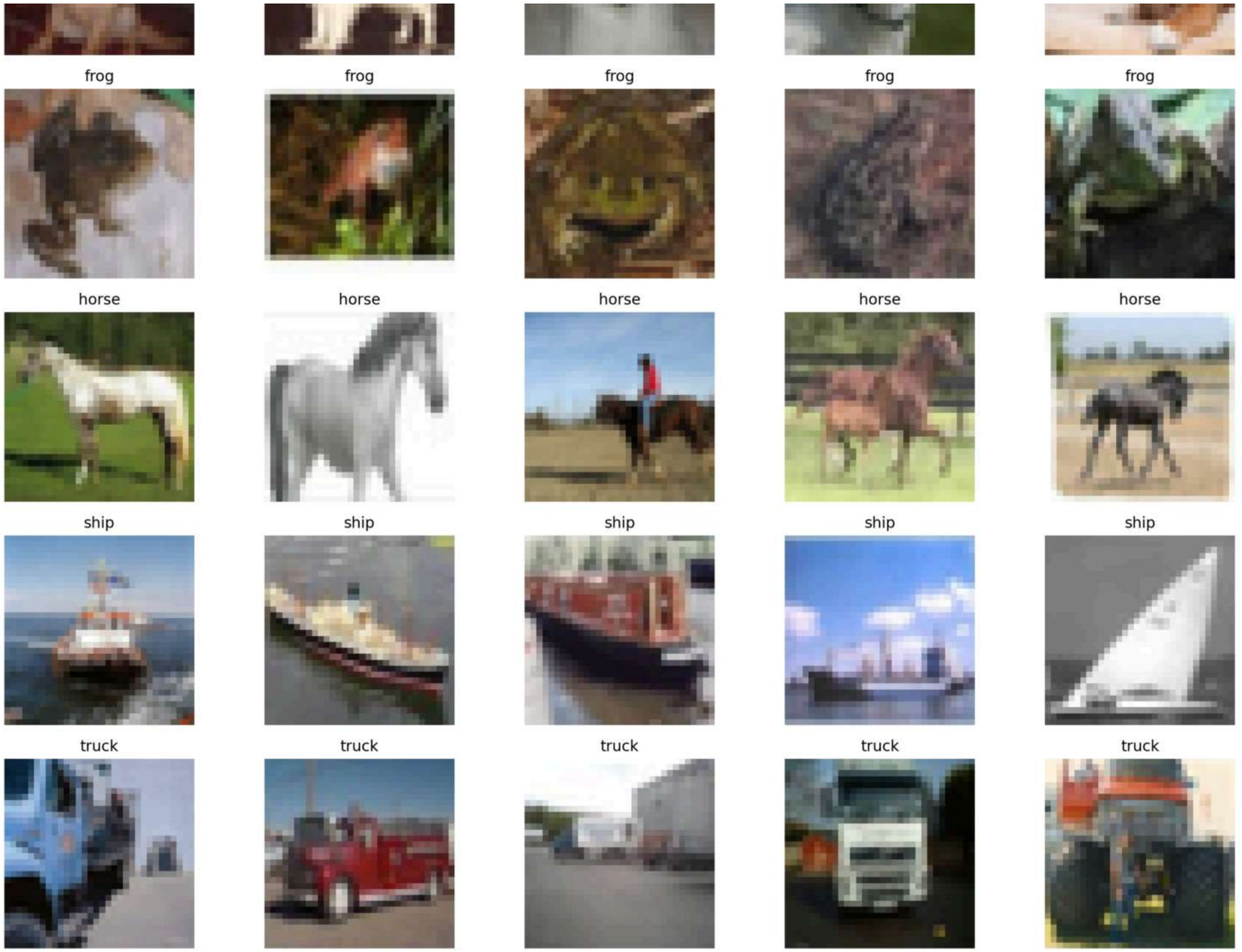
Select a task to run:

Task 1.2: Visualize CIFAR-10 Samples

Run Task

Task 1.2: Visualize CIFAR-10 Samples


airplane
airplane
airplane
airplane
airplane
automobile
automobile
automobile
automobile
automobile
bird
bird
bird
bird
bird
cat
cat
cat
cat
cat
deer
deer
deer
deer
deer
dog
dog
dog
dog
dog



Visualization completed and saved to 'output/cifar10_samples.png'