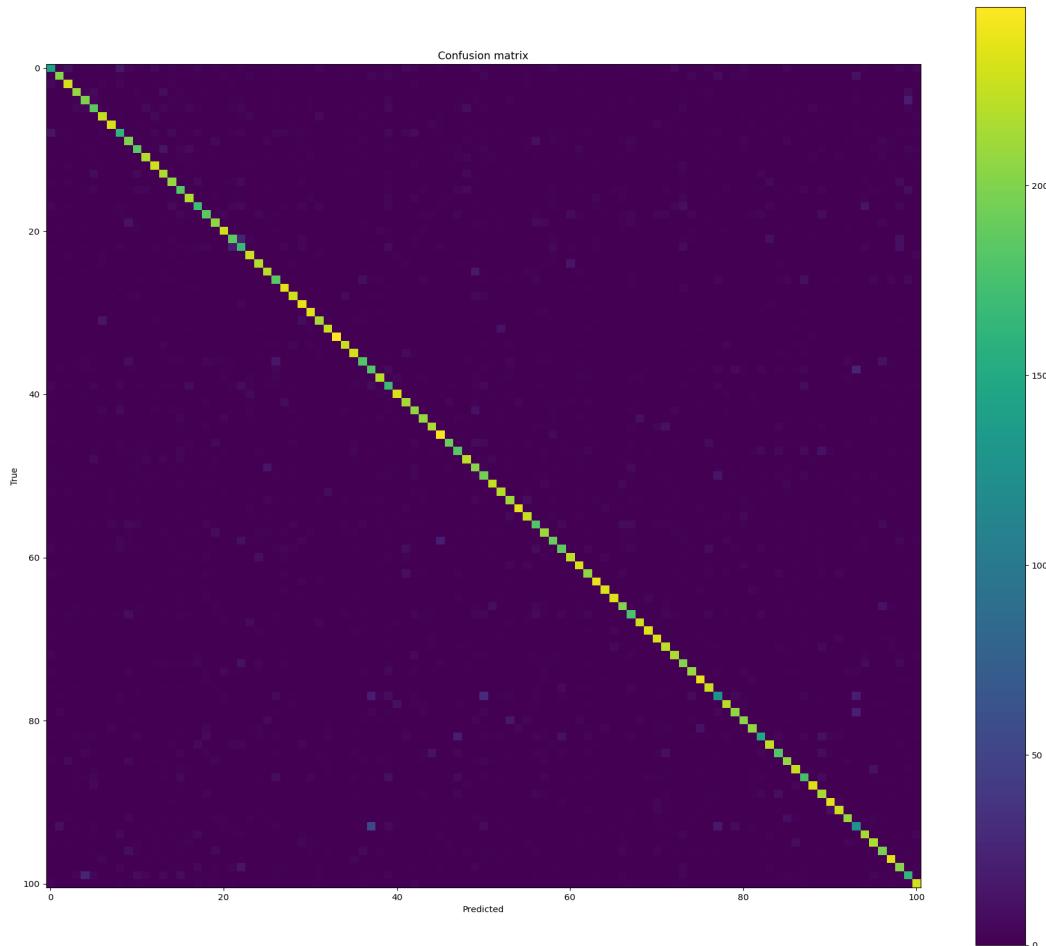


Food-101 Image Classification Report

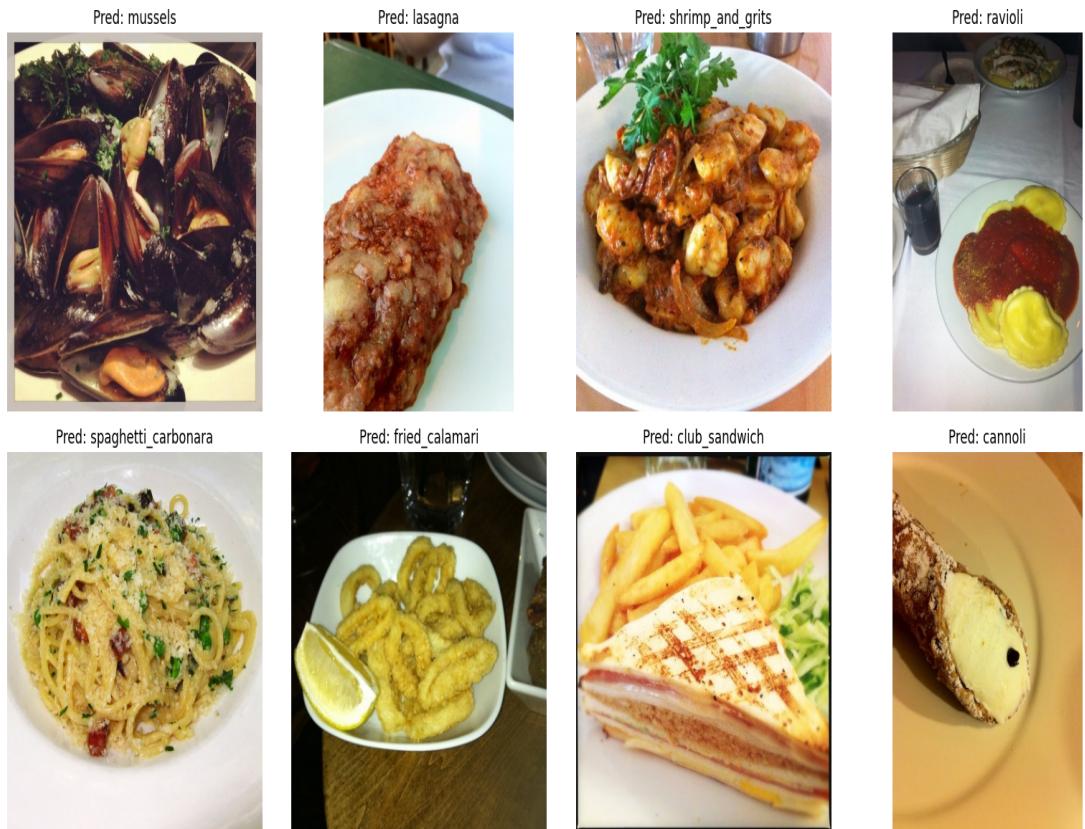
This report summarizes the results of a food image classification model trained on the Food-101 dataset using transfer learning (ResNet-50). The model predicts one of 101 food categories from an input image.

Dataset	Food-101 (101 classes, ~101k images)
Base Model	ResNet-50 (ImageNet pretrained)
Task	Multiclass food image classification
Validation Metric	Macro F1-score
Macro F1 (validation)	0.832483

Confusion Matrix



Sample Predictions



Conclusion & Future Work

The model demonstrates reasonable performance on the Food-101 dataset, as summarized by the macro F1-score. Further improvements could be achieved by fine-tuning deeper layers, experimenting with stronger data augmentations, trying alternative architectures (e.g., EfficientNet, Vision Transformers), and applying techniques like mixup/cutmix or test-time augmentation.