```
# 💆 Get class labels from training generator
class_labels = list(train_generator.class_indices.keys())
print("Class labels:", class_labels)
# -----
# Predict on a single image
img_path = "/kaggle/input/mushroom/Dataset/train/Boletus/0001_yB5GiXfgyRU.jpg" # 👈 replace with your test image
# Load and preprocess image
# Predict
predictions = model.predict(img_array)
predicted_class = np.argmax(predictions, axis=1)[0]
confidence = np.max(predictions)
print(f" \ \ \ \ \ Predicted \ Class: \{class\_labels[predicted\_class]\} \ \ (Confidence: \{confidence*100:.2f\}\%)")
lass labels: ['Boletus', 'Lactarius', 'Russula']

l/1 — 4s 4s/step

☑ Predicted Class: Russula (Confidence: 99.84%)
 + Code + Markdown
model.save("mushroom_model.h5")
```