

1. **Convolutional Neural Network (CNN)**
2. **Import TensorFlow**
3. **Download and prepare the CIFAR10 dataset**
4. **Verify the data**
5. **Create the convolutional base**
6. **Add Dense layers on top**
7. **Compile and train the model**
8. **Evaluate the model**
9. **Image classification**
10. **Import TensorFlow and other libraries**
11. **Download and explore the dataset**
12. **Load using keras.preprocessing**
 - **Create a dataset**
 - **Visualize the data**
 - **Configure the dataset for performance**
 - **Standardize the data**
13. **Create the model**
14. **Compile the model**
15. **Model summary**
16. **Train the model**
17. **Visualize training results**
18. **Overfitting**
19. **Data augmentation**
20. **Dropout**
21. **Compile and train the model**
22. **Visualize training results**
23. **Predict on new data**