

- **Convolutional Neural Network (CNN)**
- **Import TensorFlow**
- **Download and prepare the CIFAR10 dataset**
- **Verify the data**
- **Create the convolutional base**
- **Add Dense layers on top**
- **Compile and train the model**
- **Evaluate the model**
- **Image classification**
- **Import TensorFlow and other libraries**
- **Download and explore the dataset**
- **Load using keras.preprocessing**
- **Model summary**
- **Train the model**
- **Visualize training results**
- **Overfitting**
- **Data augmentation**
- **Dropout**
- **Compile and train the model**
- **Visualize training results**
- **Predict on new data**