## **Performance Checklist**

From Chapter-6, Practical Deep Learning for Cloud, Mobile and Edge by Anirudh Koul, Siddha Ganju, Meher Kasam

Data Preparation		
• □	Store as TFRecords Reduce size of input data Use TensorFlow Datasets  Reading	
•	Use tf.data Prefetch data Parallelize CPU processing Parallelize I/O and processing Enable nondeterministic ordering	
Data Augmentation		
. □ Trainir	Use GPU for augmentation	
	Use automatic mixed precision Use larger batch size Use multiples of eight	

	Find the optimal learning rate  Use tf.function  Overtrain, then generalize  Progressive sampling  Progressive augmentation  Progressive resizing  Install an optimized stack for the hardware  Optimize number of parallel CPU threads  Use better hardware
. 🗆	Distribute training
Infere	Examine industry benchmarks  nce
	Use an efficient model Quantize the model Prune the model Use fused operations Enable GPU persistence