PySide2/6 and OpenCV for Object Detection on RPI 4 model B and Android phone

PySide2/6 (https://www.pythonguis.com/pyside2-tutorial)

* Getting started with PySide2
  + Creating your first app with PySide2
  + PySide2 Signals, Slots & Events
  + PySide2 Widgets
  + PySide2 Layouts
  + PySide2 Toolbars & Menus — QAction
  + PySide2 Dialogs and Alerts
  + Creating additional windows
* Creating applications with Qt Designer
  + First steps with Qt Designer
  + Laying Out Your PySide2 GUIs With Qt Designer
  + Creating Dialogs with Qt Designer
  + Embedding custom widgets from Qt Designer
* Threads & Processes
  + Multithreading PySide2 applications with QThreadPool
  + Using QProcess to run external programs

OpenCV on Raspberry PI (https://www.mygreatlearning.com/blog/opencv-tutorial-in-python/)

* Introduction to Raspberry Pi
* Install OpenCV on rpi4
* Using OpenCV for image processing
* Live camera on rpi4

Tensorflow Custom Object Detection (https://colab.research.google.com/drive/1i4udZDiezdm24hPIf9bM-LQmD9wfmm47)

* Tensorflow Object Detection API
* Annotate/label
* Training Custom Object Detection Model using tflite model maker
* Testing model
* Export model to tensorflow lite
* Testing in rpi4 with tensorflow lite
* Testing in android with tensorflow lite

Realtime Object Detection using PySide2/6 on Raspberry Pi 4

* Using OpenCV on PySide2/6
* Using tflite model on PySide2/6