EDGE INTELLIGENCE

LAB-4

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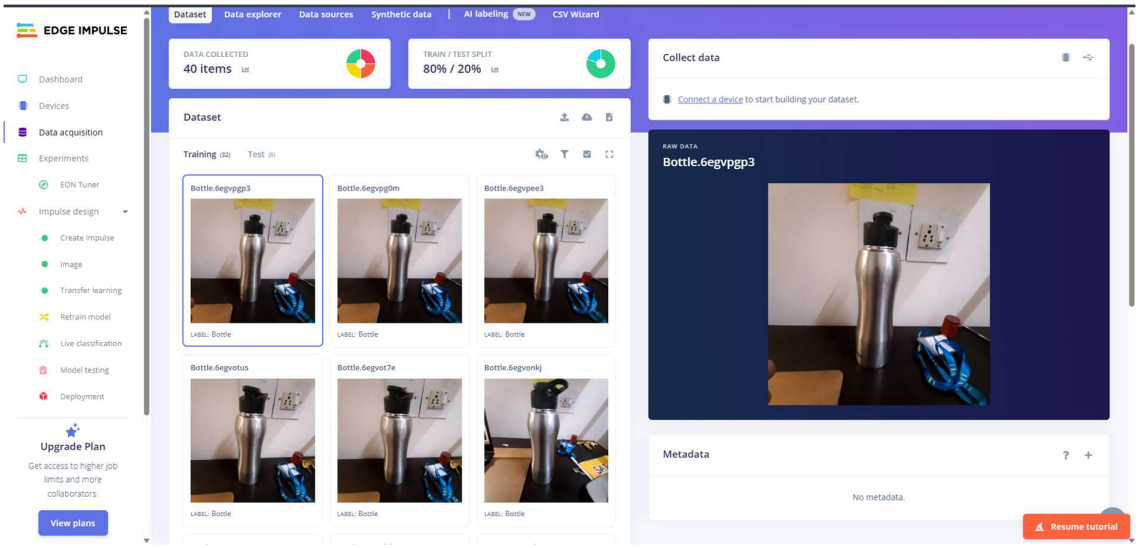
Embedded Vision ML Pipeline in Edge Impulse

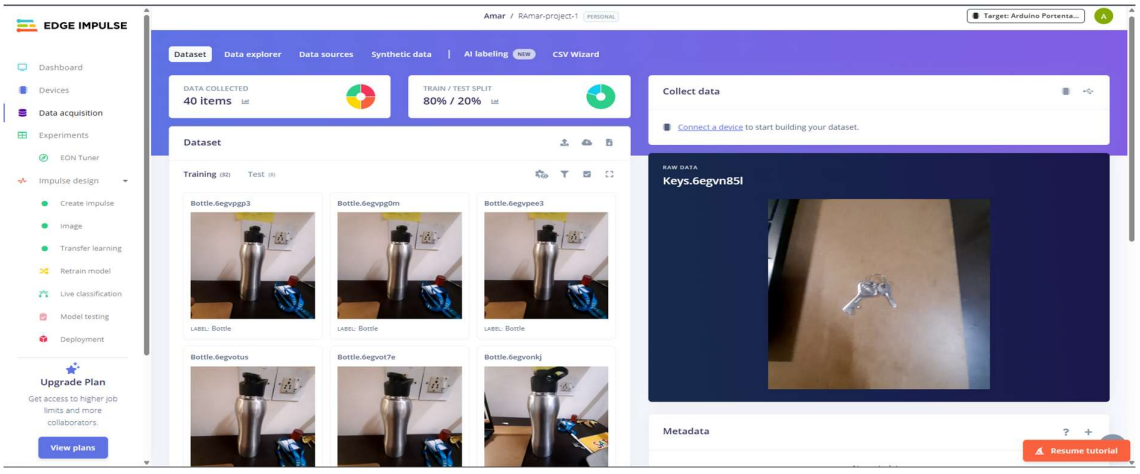
Step 1: Data Acquisition

Collect and label image data using the Data Acquisition section in Edge Impulse.

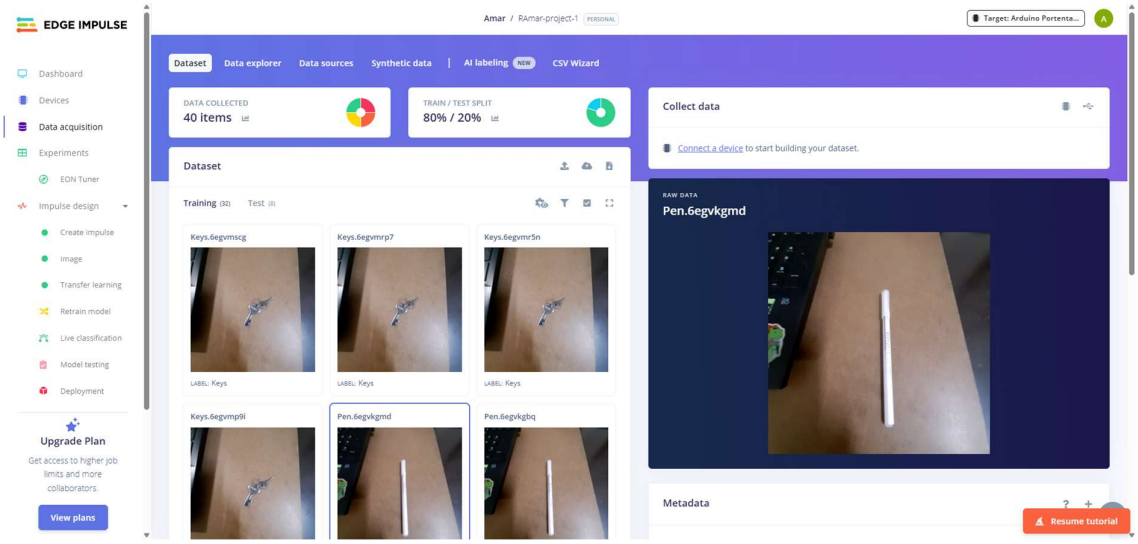
Bottle



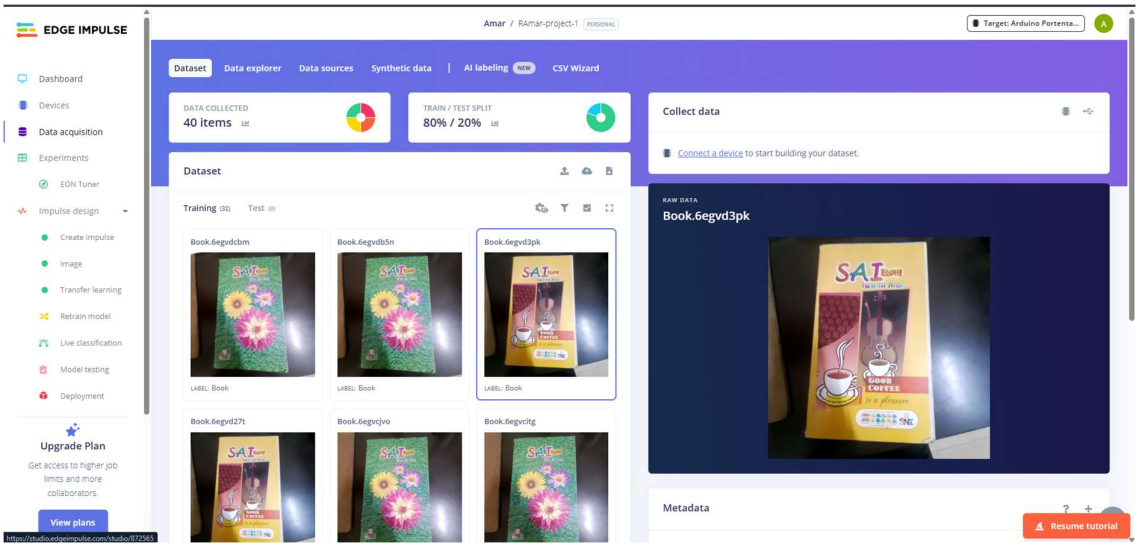
Keys



Pen

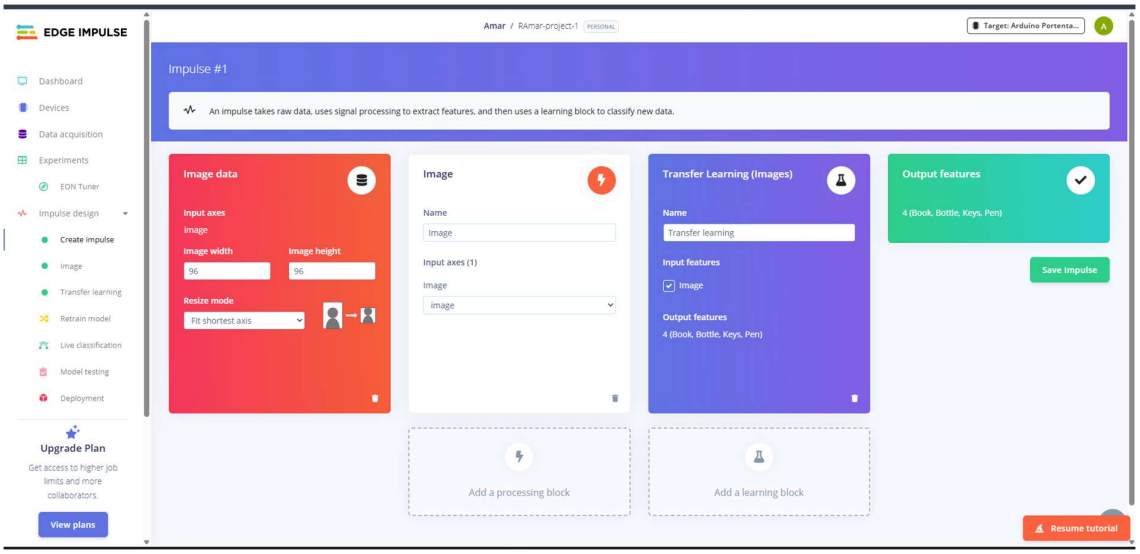


Book



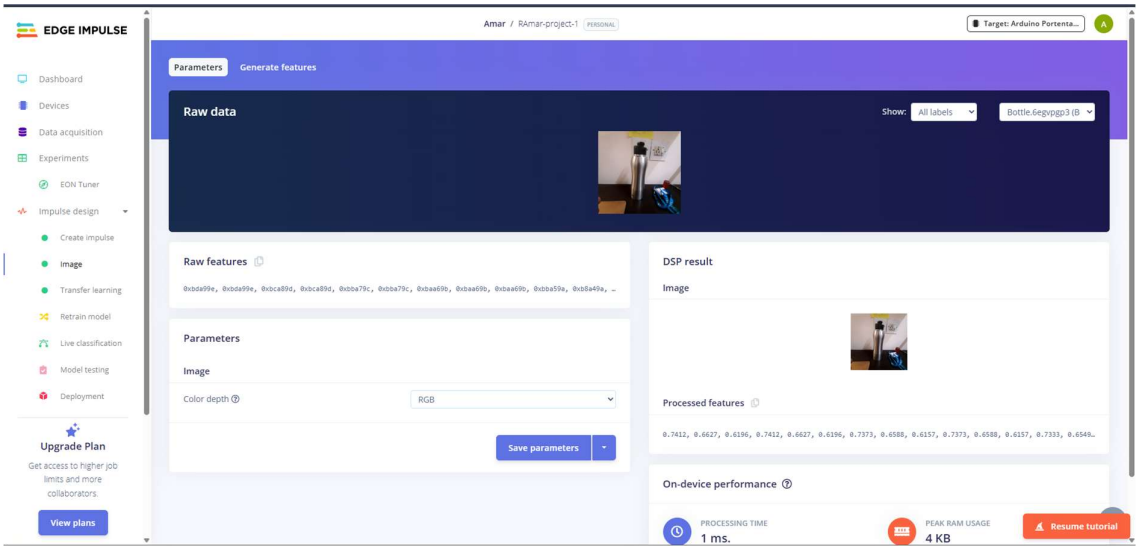
Step 2: Create Impulse

Configure the impulse by selecting image input size, preprocessing block, and learning block.



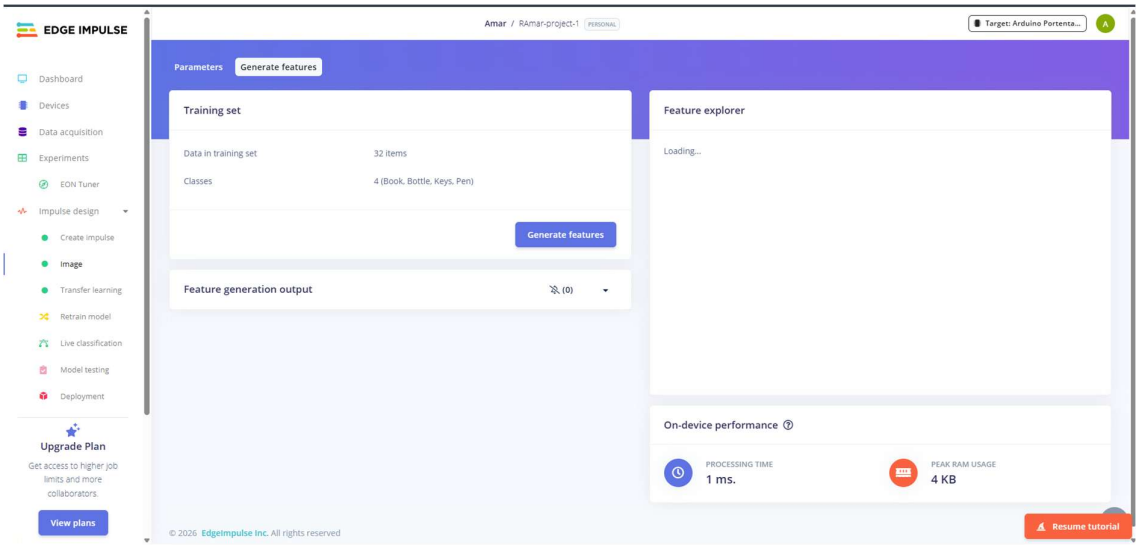
Step 3: Image Preprocessing

Resize and preprocess images using the Image block.



Step 4: Feature Generation

Generate features from the pre-processed images



Step 5: Transfer Learning & Model Testing

Train the model using transfer learning & evaluate the trained model using test data.