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Creating Panorama Using OpenCV

```
In [1]: ▶ #1: Find Keypoints in all Images
            #2: Find Pairwise Correspondance
            #3: Estimate Paiwise Homographies
            #4: Refine Homographies
            #5: Stitch With Blending
In [2]: ► #Importing Libraries
            import cv2
            import numpy as np
            import pandas as pd
            import glob
            import math
            import matplotlib.pyplot as plt
In [3]: ► #Read Images
            imageFiles = glob.glob("boatImages/*")
            imageFiles.sort()
            images = []
            for fileName in imageFiles:
               img = cv2.imread(fileName)
                img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
               images.append(img)
            num_images = len(images)
```

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```
In [6]:  #Stitch Images
    stitcher = cv2.Stitcher_create()
    status, result = stitcher.stitch(images)
    if status == 0:
        plt.figure(figsize = (30, 10))
        plt.imshow(result)
        plt.axis("off")
```

