- Image manipulation includes rotating, transposing, and flipping images.

- Resizing images involves changing the size of pixel arrays.

- Image aspect ratio should be maintained to avoid distortion.

- Proportional resizing adjusts the longest dimension to the required size.

- Images can be overlaid onto a background of the correct dimensions to create padding for the shorter edge.

- This "mounting" technique prevents image squashing or stretching.

- Resizing images helps prepare image data for computer vision models.