

How to solve an Image Segmentation problem?

# What we will be covering in this module?

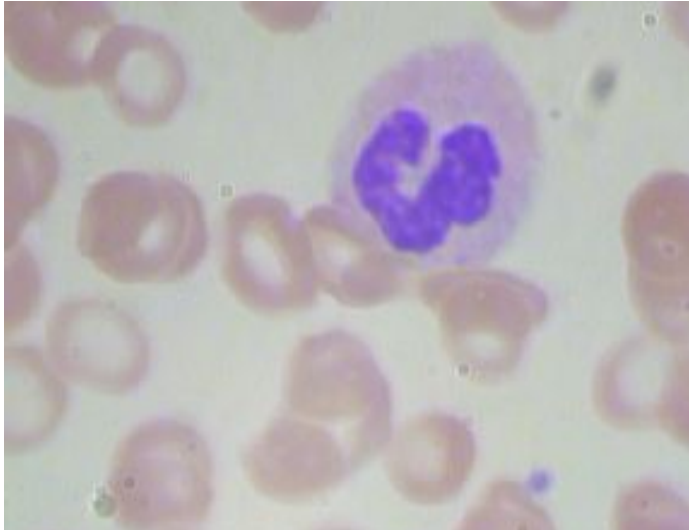
- Introduction to Image Segmentation
- How to solve Image Segmentation problems?
- Approaches for Image Segmentation
  - Use Traditional Methods
  - Leverage Deep Learning
- Understanding Deep Learning Architectures for Image Segmentation
- Project on Lane Segmentation for Self Driving Cars
- What's Next?

# Understanding Blood Cell Segmentation

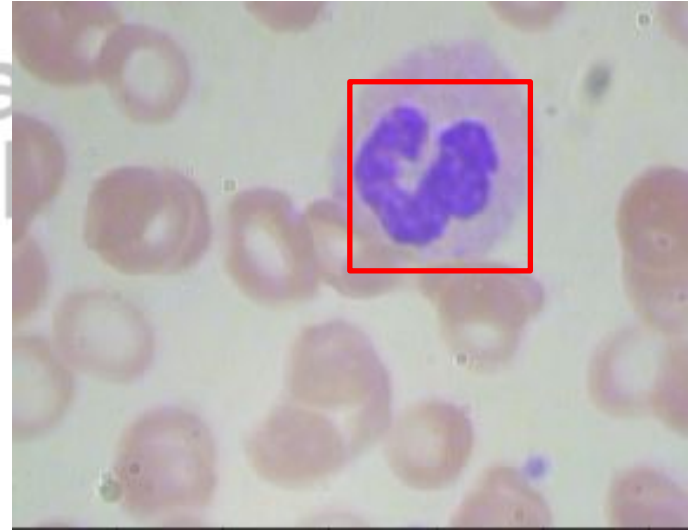


# Recap - Blood Cell Detection

**Problem Statement:** Detect the WBCs in the Images of Blood Cells



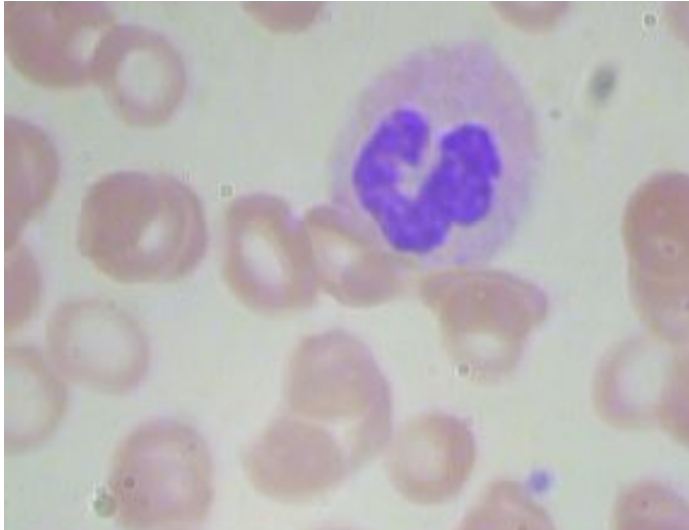
Sample Image



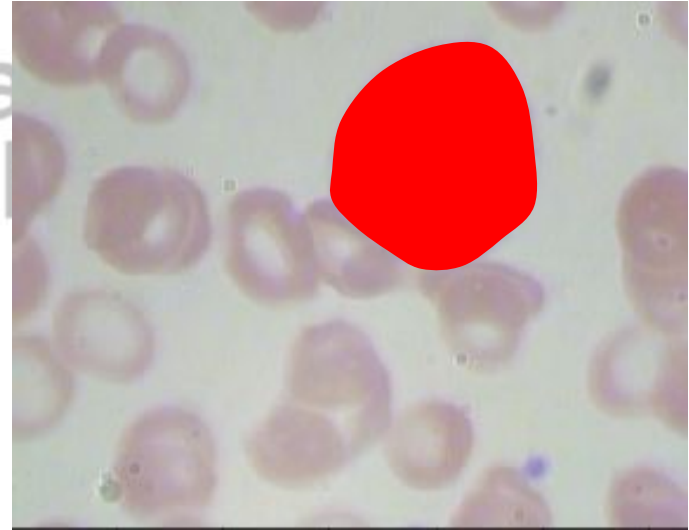
WBC

# Understanding Blood Cell Segmentation

**Problem Statement:** Segmenting WBCs in the Images of Blood Cells



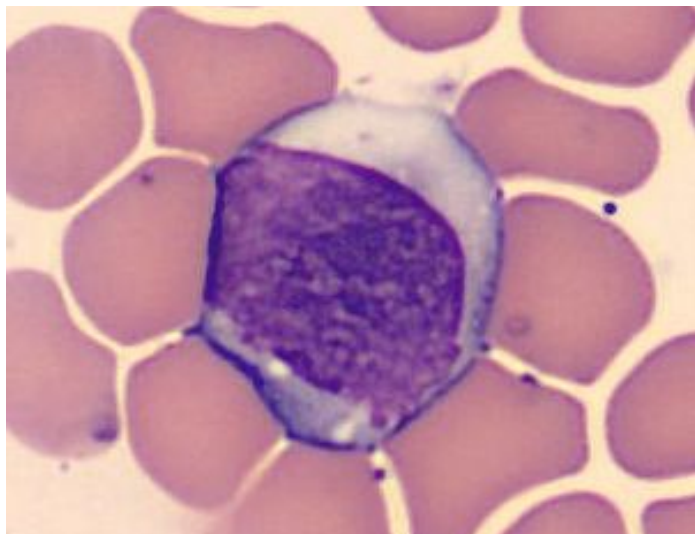
Sample Image



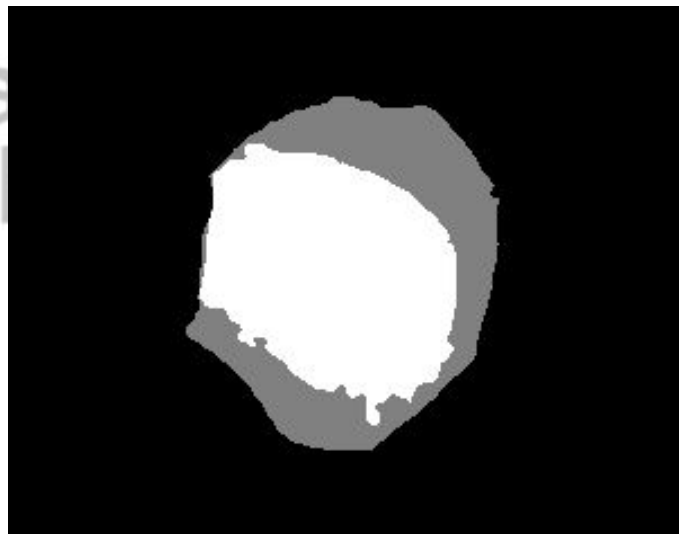
WBC

# Exploring Blood Cell Segmentation Dataset

**Problem Statement:** Segmenting WBCs in the Images of Blood Cells



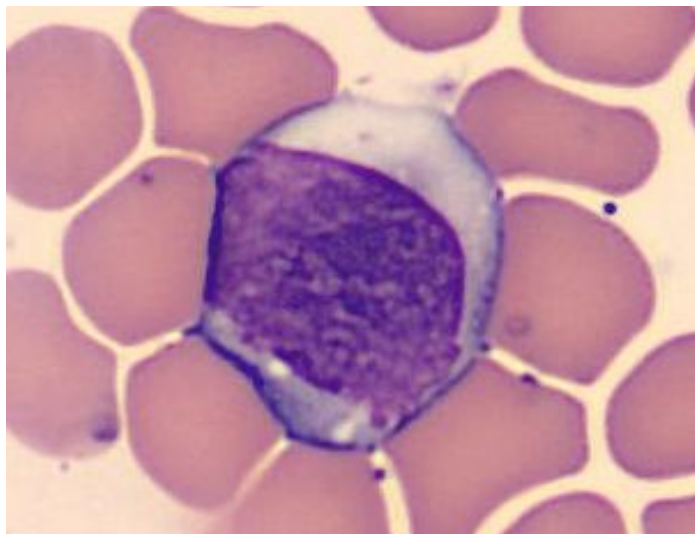
Sample Image



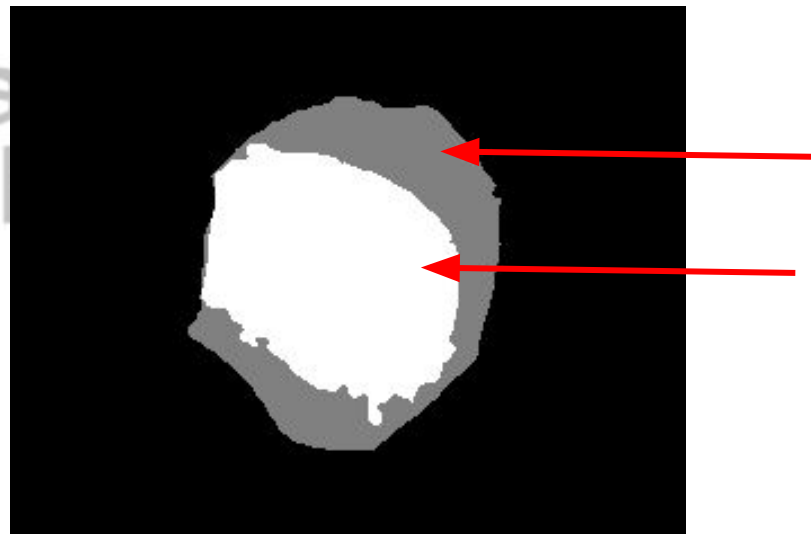
WBC

# Exploring Blood Cell Segmentation Dataset

**Problem Statement:** Segmenting WBCs in the Images of Blood Cells



Sample Image

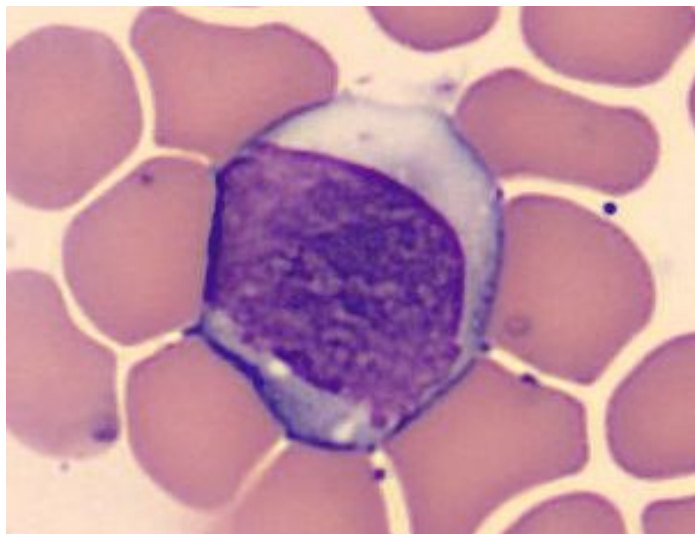


WBC

# Exploring Blood Cell Segmentation Dataset

Problem Statement: Segmenting WBCs in the Images of Blood Cells

**Binary Semantic Segmentation!**



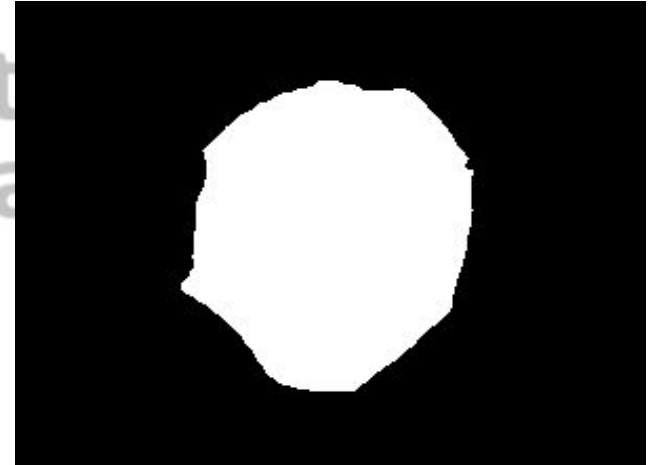
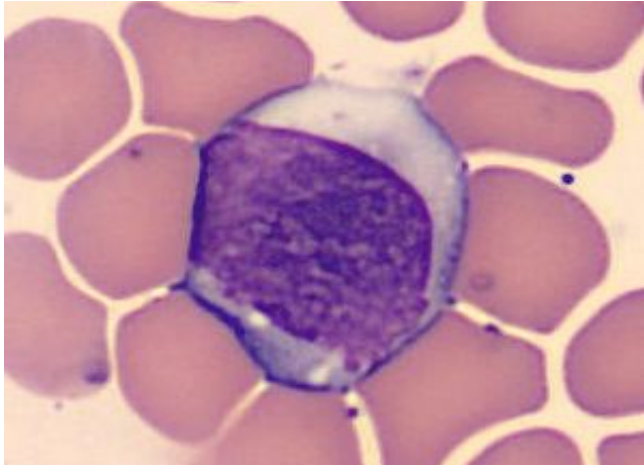
Sample Image



WBC



# Approach to solve Blood Cell Segmentation



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Thank you