



# Emile Male pipeline

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# Current Pipeline





# Milestones

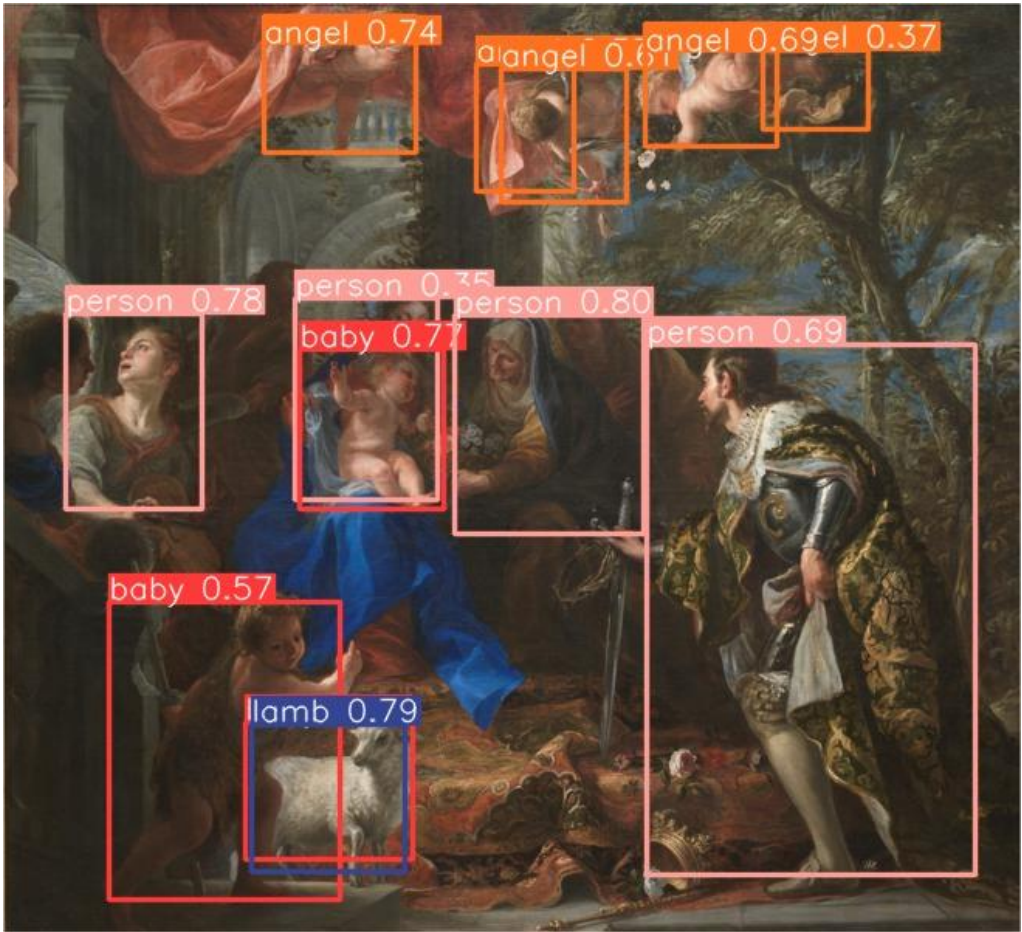
- Completed documentation for Version 1 and Version 2
- Tagged 500 images in YOLO format(Results later in the presentation)
- Curated a dataset from texts from Emile Male, <https://www.christianiconography.info/>, Wikipedia and Metadata from Rishab's work
- Familiar with Singularity and deployed on HPC
- Started research on Mary and her different representations

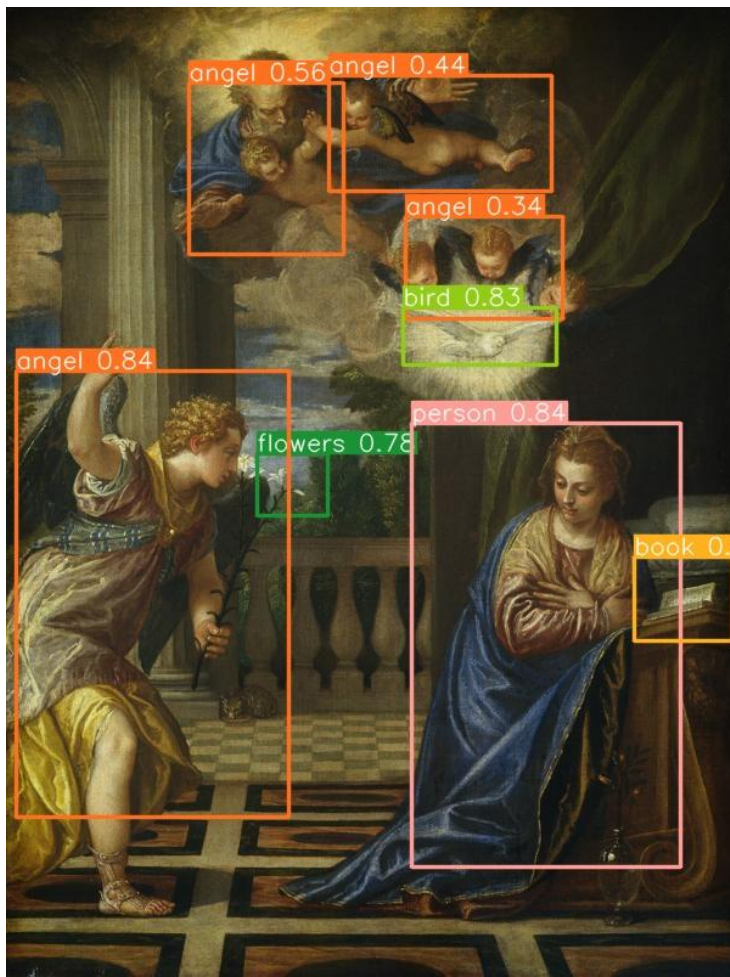


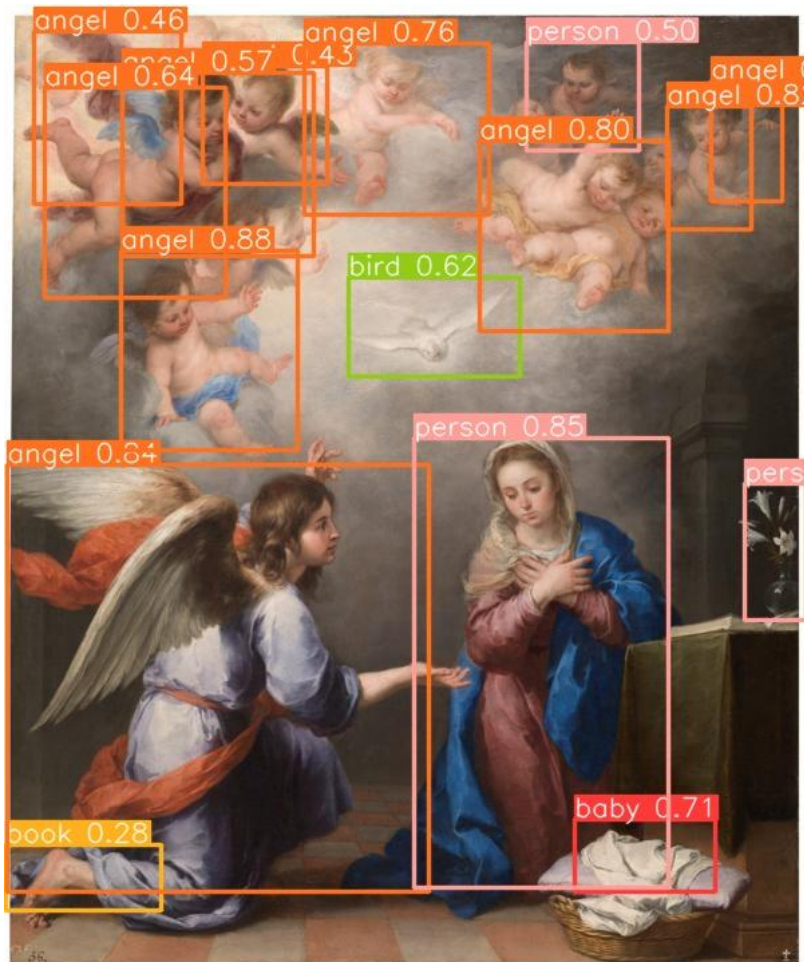
# YOLO results

Classes -

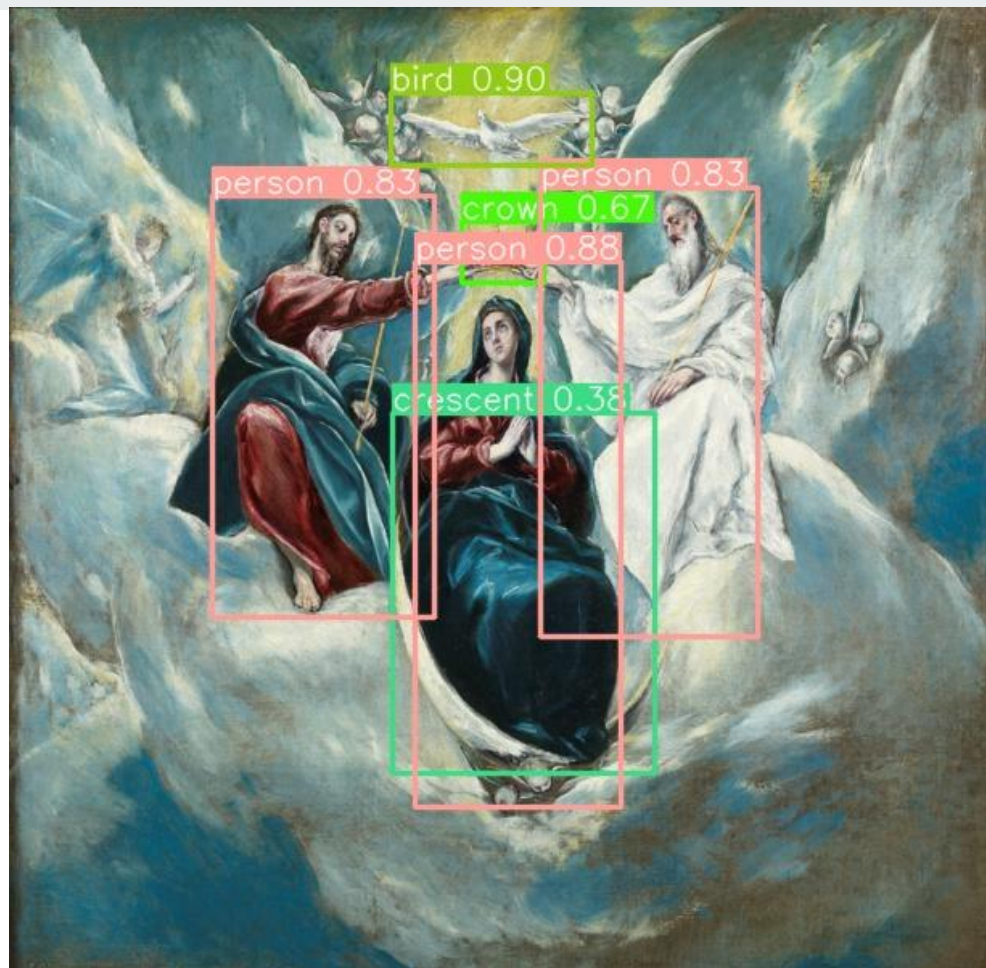
```
['baby','person','angel','book','jar','crown','bird','crescent','flowers','crucifixion','pear','skull','lamb']
```



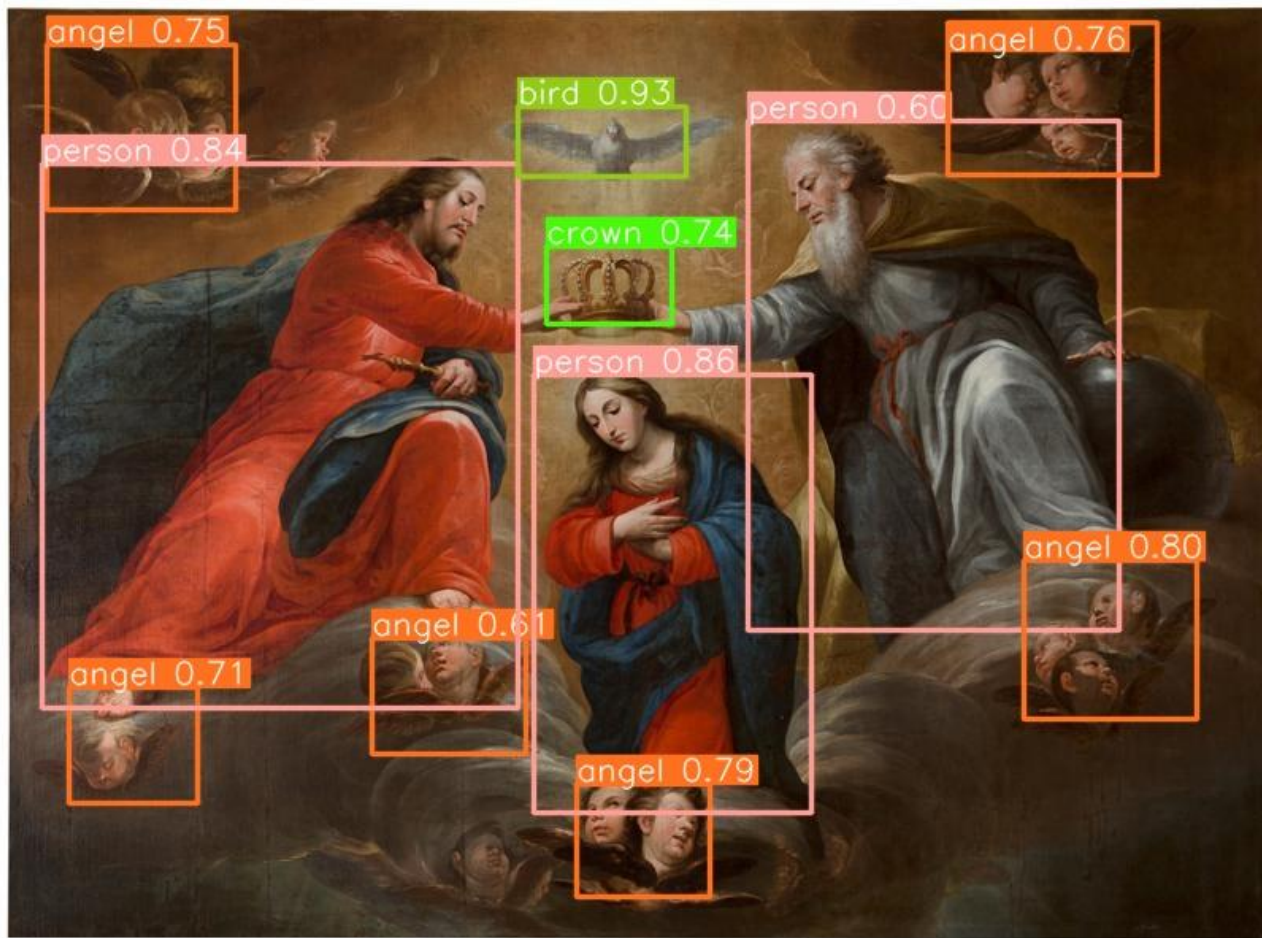














# Embeddings

Results are better.

```
['mary', 0], ['angel', 0.0682279221558858], ['on', 0.08013687422711313], ['art', 0.08430970302191221], ['christ',  
0.08823141795603906], ['baby', 0.09108800980423859], ['cal', 0.12696202192349482], ['moth', 0.1583656414539074],  
['right', 0.15931394822629508], ['paint', 0.1643018971891479], ['hand', 0.1661699678055597], ['point',  
0.1743486657962403], ['two', 0.1754662581502504], ['depict', 0.19095321361965178], ['vert', 0.19643291141846342],  
['jes', 0.20287768421145058], ['tre', 0.22213438283189813], ['crown', 0.23046893543015157]
```

What to do next?

Current method does not incorporate words like Saint John or thirteenth century, instead treats Saint and John separately.



# Virgin Mary Representations

- Birth of Virgin Mary/Nativity of the blessed Virgin Mary
- Marriage of the virgin
- The annunciation of the Blessed Virgin
- Nativity of Jesus
- Adoration of Magi
- Coronation of the Virgin
- Assumption of the Virgin
- Death of the Virgin

# Birth of Mary





# Marriage of Virgin



# The Anunciation



# Nativity of Jesus





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# Adoration of Magi



# Coronation



# Assumption





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## Death of Virgin





# Whats next?

