

TODO List

11/14/2024

Documentation Tasks

- ☐ Create comprehensive documentation explaining the project and methodology
- ☐ Prepare slideshow presentation covering:
 - ☐ Project overview
 - ☐ Methodology
 - ☐ Results
 - ☐ Future work

Technical Tasks

- ☐ Run AlexNet on expanded image dataset
 - ☐ Generate similarity matrix for 2000+ images
 - ☐ Implement hierarchical clustering algorithm
 - ☐ Develop selection method to choose 100 representative images
 - ☐ Use distance metrics to identify images furthest from each other
 - ☐ Ensure selected images cover diverse characteristics
 - ☐ Validate selection results
 - ☐ Document the selection process and results

Success Criteria

- Complete documentation and slides
- Successfully run AlexNet on new dataset
- Implement clustering algorithm
- Select 100 representative images from 2000+ dataset
- Verify selected images are sufficiently diverse based on distance metrics