Alexis Tindall Manager, Digital Innovation | University Library has kindly compiled some quality resources. When you start generating ideas &conducting your research it is recommended you take a look though & watch some of the quality content available:

Some online resources:

Analysis and Policy Observatory: https://apo.org.au/
Open access directory of public policy resources, and relevant material can be found there due to the fact that most museums and related institutions in Australia are government funded. They have a relevant subject collection titled 'Cultural collections': https://apo.org.au/subject/64691 . You can also find relevant material under digitisation.

This report that was produced between 2010 and 2016 lists key trends and opportunities in the museums sector, and shows an evolving approach to digitisation.
https://library.educause.edu/resources/2016/1/horizon-report-museum-edition-2010-2016

AI4LAM:

State Library of NSW are using a combination of online computer vision tools to add tags to their digitised image collections to improve item level accessibility, this presentation is only about 18 minutes:
https://www.youtube.com/watch?v=iTxSh_xNCXI&list=PLgb7wGdsYkJzY37XaIWCd_Jy3XSr4mVbf&index=5&t=1383s

Image recognition services & workflow of digital tools to improve the discoverability of digitised resources
https://youtu.be/ilvxiKbJxwo

Case study of turning scanned business archives from the ANU Archives into useful structured data using web services like Amazon Textract, Tesseract (Open Source OCR) and Datasette.
https://youtu.be/Frx6MtLrLgk

Annual conference called Museums and the Web, which would have a range of papers that might be useful:
https://www.museweb.net/bibliography/
Their archive is not very easily searchable, but if you try a google search and restrict results to that domain, it can narrow things down (how to do that here: https://youtu.be/nZiW9dbkgX8)