Team: Morpheus
Project: KHOJ - Key to Historical Object Juxtaposition

Abstract: One of the major aspects of what makes museums unique is their ability to perceive different historical objects based on the story that the object narrates. So, it is important to find the relevant keywords of an object that best describe it. Our project, 'KHOJ - Key to Historical Object Juxtaposition,' an object identification and recognition module, completely changes the traditional method of identifying objects by using the technology in hand. Our group has trained a software with more than 4000 pre-tagged objects' images which helps in identifying any future known/unknown object with relevant keywords with an accuracy of ~70%. In order to make the application more user-friendly, we have built a software in the form of an intuitive web application for a curator of a cultural institution to interact with. The curator can opt to upload images of multiple objects in the web application which recommends a set of relevant keywords for those objects. The added benefit of such a recommendation engine is that with an increase in the frequency of use of this application, the efficiency and accuracy of the suggested keywords will also increase.