Instead of listing projects , I thought of looking through our course structure and list projects among the data mining topics that will be covered in our class. As such below are my thoughts:

1. Clustering:

Credit card fraud detection: This is a typical classification problem where the task is to classify the abnormal/fraud transactions. This project is popular in Kaggle for classification, but for clustering I guess, it would be pretty decent. Dataset Link: <https://www.kaggle.com/mlg-ulb/creditcardfraud>

Online Retail Customer Segmentation: Here we have to segment customers based on their purchase. Dataset Link : <https://archive.ics.uci.edu/ml/datasets/online+retail>

It would be fine for me to work on clustering of some genetic information as well. (Like clustering the patients, covid variants etc.,) But I am not very sure of the data collection, so if you have any idea of where we could get data, we can have this in our bucket as well).

2. Graph Mining:

This is a new topic which I am not aware of. But I saw this in our course structure. So, adding in a dataset that might be interesting to work with.

<https://paperswithcode.com/dataset/amazon-fraud>