Capstone Project V - NLP

Identification of suitable NLP application

    a. A model that categorizes emails into folders such as work, friends, promotions, and important, similar to Gmail's inbox tabs.

Text classification - Given that the files under consideration are emails, predominantly comprised of textual content, the model is appropriately characterized as a text classification model.

    b. A model that helps decide what grade to award to an essay question. This can be used by a university professor who grades a lot of classes or essay competitions.

Automatic Summarisation – In grading multiple essays, employing an automatic summarization model would expedite and streamline the process by efficiently summarizing each essay's content and facilitating appropriate grading.

    c. A model that provides assistive technology for doctors to provide their diagnosis. Remember, doctors ask questions, so the model will use the patients' answers to provide probable diagnoses for the doctor to weigh and make decisions on.

Question Answering - For doctors seeking assistance with diagnosis, utilizing a question-answering NLP model would be highly beneficial. This model can effectively process questions posed by doctors and provide potential diagnoses, thus aiding in the diagnostic process