SYNOPSIS

Machine Intelligence

Project Name: Email Spam-Filtering System

Team Members :

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Abstract(Synopsis):

We will be using Mining text techniques widely applied in applications like text summarization, topic classification, machine translation, sentiment analysis, etc. Modern cybersecurity systems are utilizing machine learning methods a lot. Spam email detecting systems are one of them. Spam filtering also leverages text mining and document classification to segregate legitimate mails and spam emails.
All modernized email services come with this segregation system that runs machine learning algorithms behind. Such a project comes under the text classification problems.

Building this kind of a ML project involves the following important steps -
a. Text Processing
b. Text Sequencing
c. Model Selection
d. Implementation

Use libraries like Sklearn, NumPy, Counter, Scrubadub, Beautifier, Seaborn, and machine learning frameworks like TensorFlow and Keras. For training such machine learning models, a Spambase dataset .
Spambase dataset is an open-source UCI machine learning repository comprising around 5569 emails, of which nearly 745 are spam emails.