**Ideathon 3.0 Documentation---**

**1. Domain :---www.gmail.com**

* Gmail is the domain for mailing-(e-mail) online services. Everyday ,We use to get **lots of mails from all other websites** whichever we have **surfed** at some times.
* Getting unwanted mails make our **memory full** and it **hides** the most **important mail** from our knowledge.

**2. Problem Statement:**

* The specific challenge is getting an **alert msg** of the most important mail from our inbox.
* Finding the most important mail from 20 k or 50k mails **at right time**
* Finding **the mails to be deleted**,and the option **by one click**, all unwanted mails **to be deleted at once**
* **Segregating** the important mails to our **relavant labels**

**3. Proposed Solution:**

* **An alert message** that an important mail has to be replied by today.
* **Highlighting** the no of unwanted mails to be deleted.
* **In one button**, deleting all unwanted mails
* By checking the mail header type and **analyzing** which sort of mail is this
* By storing in a database and **segregating** according to the created labels

**4. Project Workflow/Flowchart:**

**Step 1 Gmail**

**Step 2 Extracting Mail name and the text**

**Step 3 Store all the details in database**

**Step 4 Store the labels in which the classified mails have to be stored**

**Step 5 Create the text list if it comes in mail ,which should be deleted from the inbox list**

**Step 6 Store the most important text as important mail,**

**Step 7 Classify the mails using Deep Learning as it is in Text**

**Step 8 Or even classify the mails using Machine learning using label encoder and Decision Tree Models**

**Step 9 Creating an app using python to output the most important mail and to delete the unwanted mails from our inbox**

**5. Technologies Needed:**

* **Selenium**  to extract the content from websites
* Database **postgresql** for storing database
* **ML ,MLFlow** for classification
* **DL/Tensorboard** for finding the most important mail and for deleting all mails
* **Python** for connecting purpose and for creating models

**6. Expected Impact:**

* **The Students those who are in college** ,can use this app.they wont be getting much time to do this .Every now and then they have to open the mail and check the headings and confirm it.
* The **Jobseekers** can use this app
* The **business people** those who have no time to check their mails properly can use this
* The **work from home workers** can use this app.
* The **real time working guys** can use this app.obviosly they wont get time to do this simple and most important task .
* The **lazy people like us** can use this. Some one is alerting u without any cost.its gain.

**7. References & Dataset Link (if available):**

* <https://support.google.com/mail/thread/29136463/i-have-over-900-000-social-emails-i-can-t-delete-them-by-selecting-all-it-always-shows-an-error?hl=en>
* <https://knowledge.workspace.google.com/kb/unable-to-delete-emails-in-bulk-on-gmail-000008552>
* <https://clean.email/how-to-delete-all-emails/delete-all-emails-on-gmail>

Thank you for giving this opportunity to think and analyse a simple problem which we are facing in our daily life and to make me a solution finder for this. This is the first step to me.

Thank you.

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