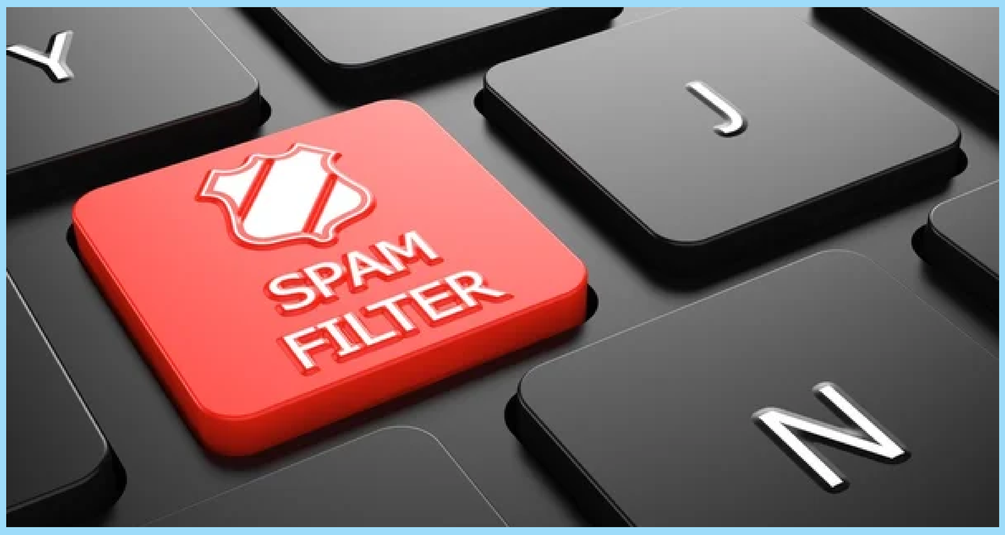
OPTIMIZING SPAM FILTERING WITH MACHINE LEARNING

Due to the spam SMS problem ,we create this project using natural alanguage processing terchnique

PROJECT DESCRIPTION

- The main objectives of the project is to detect unsolicated and unwanted emails, we can prevent spam messages from creeping into the users inbox, there by improving users experience.
- Spam SMS filters is to eliminate incoming messages identified as spam by mobile service providers.
- The goal of this project is to under take a through literature evaluation on approaches for detecting and classifying spam content in social media.
- The spam emails includes phishing ,URL, Advertisement, commercial segments and a large numbers of in discriminate recipients.

The increased use of the email also entils more spam attacks for the internet user.



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Project ideas

Quickly procss large amount of university data
Save cost associated with manual procss

10 minutes

Person 1

- Hardware requirement is used
- Software requirements are used
- Operating system are used
- Machine learning algorithms are used

Person 2

- Decision tree model algorithm are used
- Random Forest Model algorithm are used
- ANN model algorithm are used
- Naive Bayes Model algorithm are used

Person 3

- kaggle dataset is used
- Google colab is used
- KNN algorithm is used
- Python language is used

Person 4

- Testing the model is used
- Natural language processing techniques is used
- HTML is used
- Network connection is required.

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Prioritize

Our team moving to Get some new ideas

20 minutes

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- HTML is used
- Natural language processing techniques is used

Template

Empathy map canvas

Using this empathy map canvas, a spam filter with machine learning can be designed to address the needs and concerns of the user.

Originally created by Dave Gray at

XPLANE®

Develop shared understanding and empathy

The solution should be easy to use and effective in filtering out spam , with options for users to customize their filtering preferences.

The machine learnimg algorithm should be designed to continuously learn and improve its accuracy in filtering out unwanted emails

USERS

Who are the users?

people who receive large volume of emails

people who want to avoid spam and keep their box organized

people who value efficiency and convenience in managing their emails

Alert for potentially dangerous emails or emails that are marked as spam

HEAR

what do they hear?

Notification for new emails coming in

What do they THINK and FEEL?

PAINS

What are the fears?

Frustration with having to sift through unwanted emails

concern about missing important emails that may use and effective in filtering out spam

GAINS

What are theri dreams?

A desire for a solution that is easy to use and effective in filtering out spam

A user interface with options for managing emails , such as marketing as spam, archiving, and delet.

See

What do they see?

A cluttered inbox with a mix of important and irrelevant emails Spam emails that they want to avoid

Say and Do

What do they say and do?

They may express frustration with the volume of spam emails they receive.

They may take action by manually marketing emails as spam or unsubscribing from unwanted mailing lists.

Do

What do they Do?

They may seek out a spam filter solution that can automate the process and save them time and effort

Share template feedback

Need some inspiration?

See a finished version of this template to kickstart your work.

Open example →