

Basic Details of the Team and Problem Statement

Details

PSID (Problem statement ID) : KVH-007

Problem Statement Title: SPAM ALERT
SYSTEM

Team Name: HexaHack

Team Leader Name: Jeevesh Pranav
Ravikannan

Institute Code (AISHE):C-49441

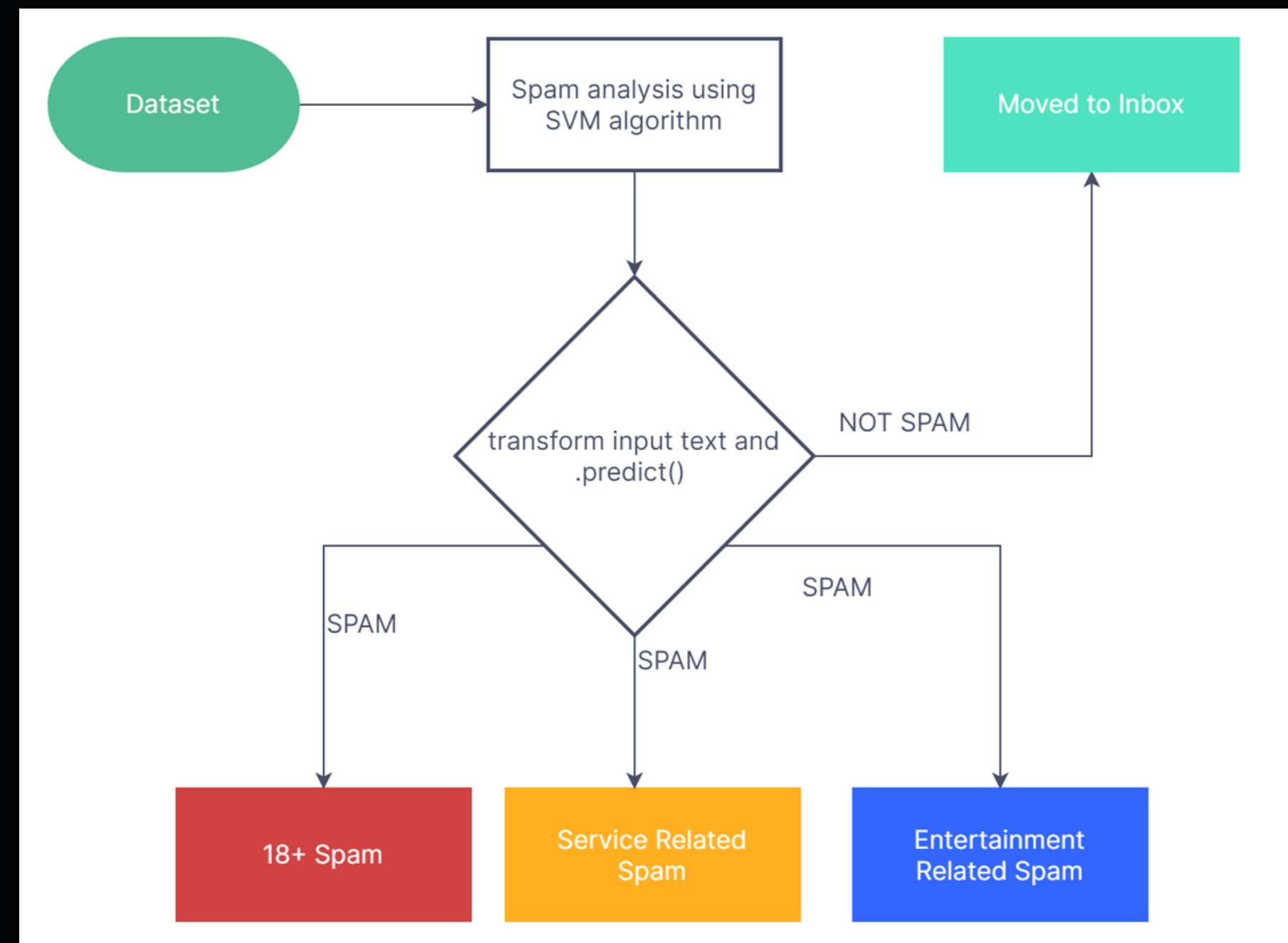
Institute Name: Vellore Institute of
Technology, Chennai

IDEA/APPROACH DETAILS

- We are using a machine learning algorithm to classify the text messages and emails a person gets into spam or ham (not spam)
- We can use this data to train a machine learning model using the Support Vector Machine and Training the algorithm to determine whether the incoming mail or sms as spam along with it's categories (18+ ads, entertainment/games and ads from service providers)
- After training the data using the SVM model, the algorithm must be able to predict which category the recieved text message falls under

Technology Stack :

- Python (NumPy, Panda)
- Scikit-Learn
- Python Flask
- HTML,CSS



IDEA/APPROACH DETAILS

USE CASES

- When a number or a mail is reported as Spam by a lot of different users, we can take this data and build upon this data.
- We can introduce inputs from the user asking whether to convert any message that is marked as spam into ham if the message falls under any particular category

DEPENDENCIES/SHOW STOPPERS

Dependency:

Dataset of SMS, Mails

Show Stoppers:

- i) Some of the spam email will not be detected by the model and will still be forwarded to the normal mail
- ii) Model needs to re-trained whenever there is a new form of spam messages/mails

Team Member Details

Sr. No.	Name of Team Member	Branch (Btech/Mtech/PhD etc):	Stream (ECE, CSE etc):	Year	Position in team (Team Leader, Front end Developer, Back end Developer, Full Stack, Data base management etc.)
1	Jeevesh Pranav Ravikannan	Btech	CSE	2021	Team Leader
2	Sri Hari Sai P	Btech	CSE	2021	Full Stack
3	Navaneeth Sivakumar	Btech	CSE	2021	Database Management
4	Srihari Gopal Karthikayini	Btech	CSE	2021	Backend Developer
5	Nicolas Sabu Mathew	Btech	CSE	2021	Frontend Developer
6	Jahnavi Sandya B	Btech	ECE	2021	Backend Developer

Team Mentor/s Details (Mandatory)

Sr. No.	Name of Mentor	Category (Academic/Industry):	Expertise (AI/ML/Blockchain etc):	Domain Experience (in Years)
1	Shridevi S	Academic	AI/ML	5
2				