



SAFE COMMUNITY BOT USING ML

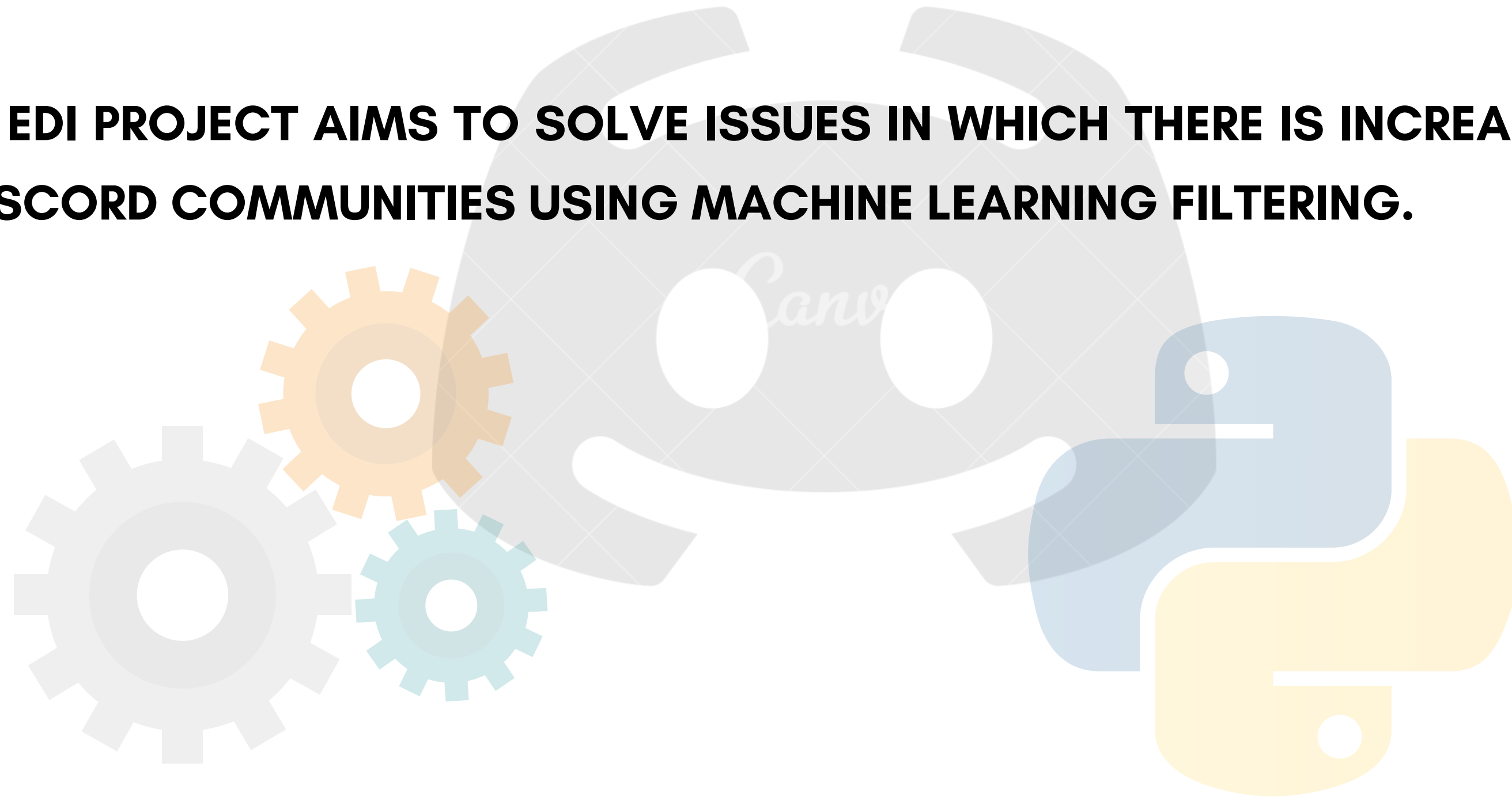
Prepared by Group 4

Mentor

Prof . Dr. Ashutosh Marathe

PROBLEM STATEMENT

THIS EDI PROJECT AIMS TO SOLVE ISSUES IN WHICH THERE IS INCREASE IN NEGATIVITY IN DISCORD COMMUNITIES USING MACHINE LEARNING FILTERING.



Motivation

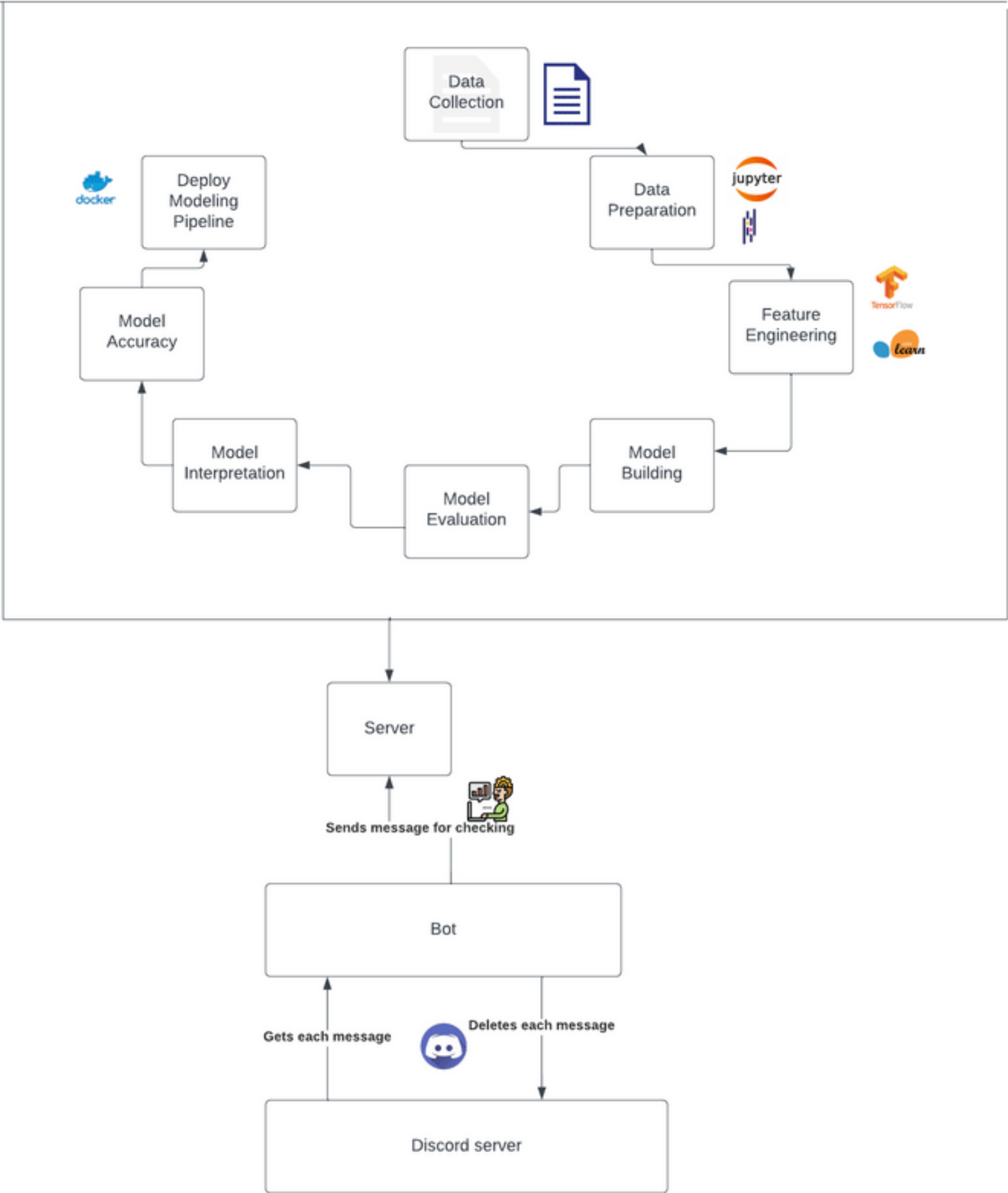
Why did we choose this Topic?

To deal with the unwanted spamming and Negative comments and chats in Discord Community as well as the Messages that are bad in sentiments.

What is the social relevance of your topic?

It profits to all the Discord Community with productive and Respectful chatting and conversation

BLOCK DIAGRAM



Tools and Technologies Used

✓ Platforms

Jupyter Notebook
Machine Learning Libraries
GitHub
Pycharm
Discord
Ubuntu

✓ Programming Languages

Python
Shell scripting

Literature Review

TITLE : Text classification using Machine Learning and Deep Learning Models

Type : IEEE Paper

Author : Johnson Kolluri, Shaik Razia1, Soumya Ranjan Nayak

Learnings :

There are different “text classification” methods have been recognized with their possibilities, pros and consequences in pulling out the information from the data.

TITLE : Sentiment Analysis in Twitter using Machine Learning

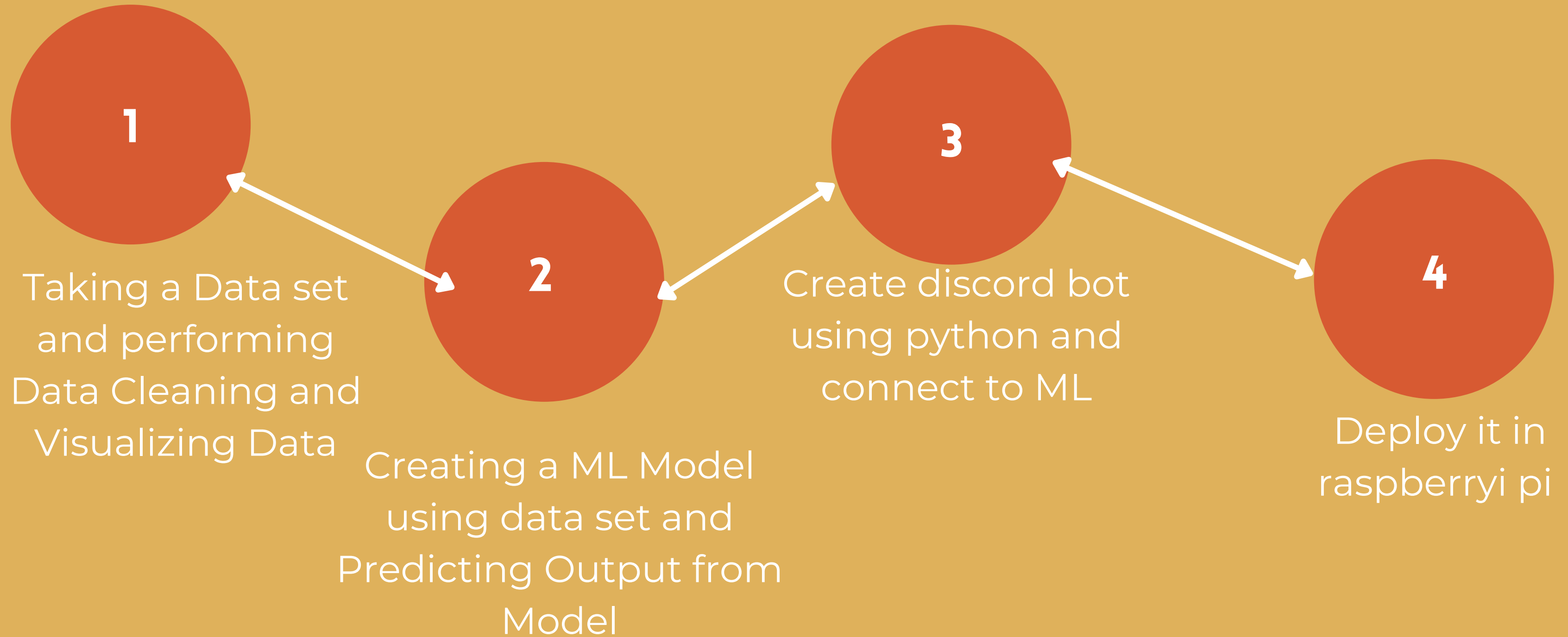
Type : IEEE

Author : Neethu M S,Rajasree R

Learnings :

Sentiment analysis is the process of identifying and classifying views or sentiments is represented in source text. Social media generates massive amounts of sentiment rich data in the form of tweets, status updates, etc. In this paper, they have twitter posts using a machine learning approach.

IMPLEMENTATION DETAILS



HARDWARE SETUP

1. Install ubuntu 20 on sd card
2. Connect via ssh and download source code
3. Install python packages specified in requirements.txt
4. Setup TOKEN variable with proper discord app token
5. Setup service on boot so it starts automatically when device boots
6. Start service using `systemctl start safe-serv` command

Future scope

- Save and reuse ML model
- Big Server for organizations
- Allow users to report undeleted messages
- Easy setup with one command or utility

Thank You

Om More (GR No 12120158)
Kunal Ingawale (GR No 12120171)
Shraddha Bagav (GR No 12120047)
Suraj Gaikwad (GR NO 12120042)
pragati Hiwale (GR NO 12120185)