WEEK

PROJECT NAME	MALWARE DETECTION USING ML

PROJECT DESCRIPTION :

DESIGN AND IMPLEMENT ML MODEL TO DETECT MALWARE IN SYSTEM

GROUP MEMBER :

PRATHAM PATEL

GROUP ID :

I2

GROUP GUIDE :

HARSH KIRATSATA

GROUP COORDINATOR :

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COLLEGE NAME :

ADANI INSTITUTE OF INFRASTRUCTURE AND ENGINEERING

06/02/2023 TILL 12/02/2023 (7 DAYS)

Learning Basic malware definition and brainstorming

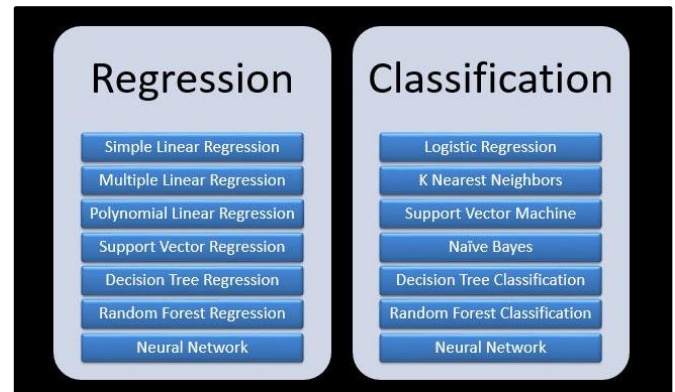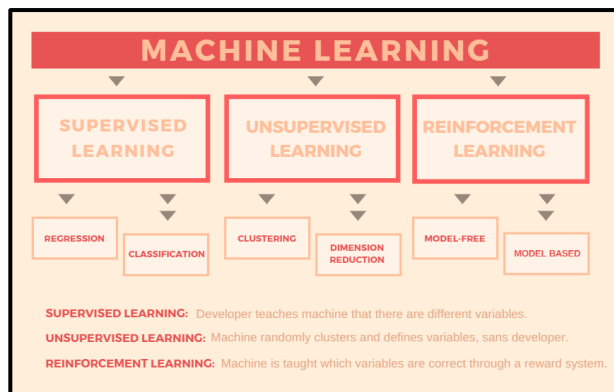|	
06/02/2023	Explored about viruses and types of malwares in detail
07/02/2023	Did problem identification and learned how to use ML techniques for malware detection
08/02/2023	Explored suitable Machine Learning types for the given problem
09/02/2023	Proposed solutions with algorithms
10/02/2023	Listed functional requirements for the project
11/02/2023	Holiday (second Saturday)
12/02/2023	Researched about different required libraries and software/ platforms for collaborative workflow

WEEK 4(PLAN)	Planning to Start Implementation of project, which includes exploration of dataset and malware detection techniques that needs to be implemented in the project.

REFERENCE:

- https://www.cisco.com/c/en_in/products/security/advanced-malware-protection/what-is-malware.html
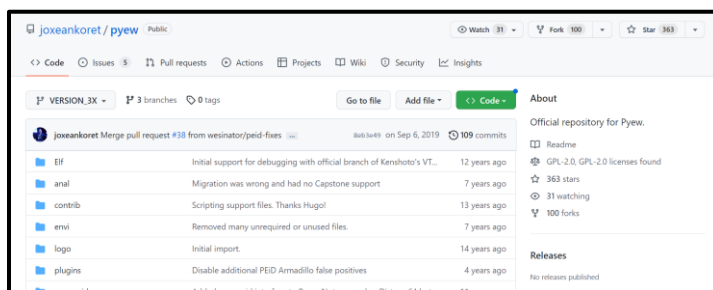- https://youtu.be/fn33V4iX5G4
- https://youtu.be/8dF_NGBqJ-0
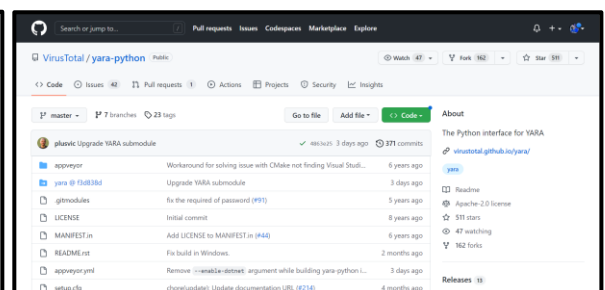- https://github.com/Vatshayan/MALWARE-DETECTION-FINAL-YEAR-PROJECT
- https://www.paloaltonetworks.com/cyberpedia/what-is-malware
- https://www.rapid7.com/fundamentals/malware-attacks/

SCREENSHOTS:

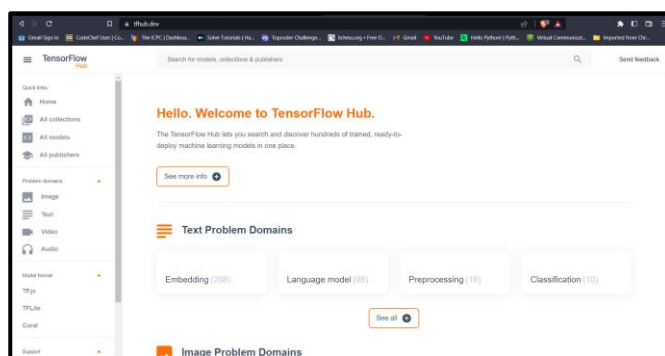## 1. ML TYPES

2. TOOLS AND COLLABORATIVE PLATFORMS:

1) pyew:

4) yara-python:

2) tfhub.dev:

3) neptune.ai: