|  |  |
| --- | --- |
|  | BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE APPLICATIONS AND GEO-INFORMATICS  **WEEKLY PROGRESS REPORT (06/02/2023 – 12/02/2023)** |
| **WEEK** | |

|  |  |
| --- | --- |
| PROJECT NAME | MALWARE DETECTION USING ML |

**DESIGN AND IMPLEMENT ML MODEL TO DETECT MALWARE IN SYSTEM**

**PROJECT DESCRIPTION :**

**PRATHAM PATEL**

**GROUP MEMBER :**

**I2**

**GROUP ID :**

**HARSH KIRATSATA**

**GROUP GUIDE :**

**SIDHDHARTH PATEL**

**GROUP COORDINATOR :**

**MAYANK PATEL, RITIKA LADHA, KINJAL CHAUDHARI**

**COLLEGE GUIDE NAME :**

**+91 9033280445,8866438698, 9723173567**

**COLLEGE GUIDE No. :**

[**mayank.patel@adaniuni.ac.in**](mailto:mayank.patel@adaniuni.ac.in)**,** [**ritika.ladha@adaniuni.ac.in**](mailto:ritika.ladha@adaniuni.ac.in)**,**

**kinjal.chaudhari@adaniuni.ac.in**

**COLLEGE GUIDE EMAIL. :**

**COLLEGE NAME :**

**ADANI INSTITUTE OF INFRASTRUCTURE AND ENGINEERING**

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

**Learning Basic malware definition and brainstorming**

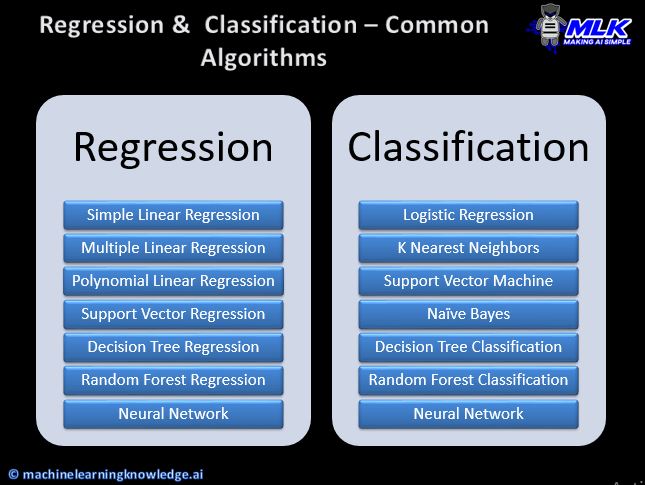
|  |  |
| --- | --- |
| 06/02/2023 | Explored about viruses and types of malwares in detail |
| 07/02/2023 | **Did problem identification and learned how to use ML techniques for malware detection** |
| 08/02/2023 | **Explored suitable Machine Learning types for the given problem** |
| 09/02/2023 | **Proposed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

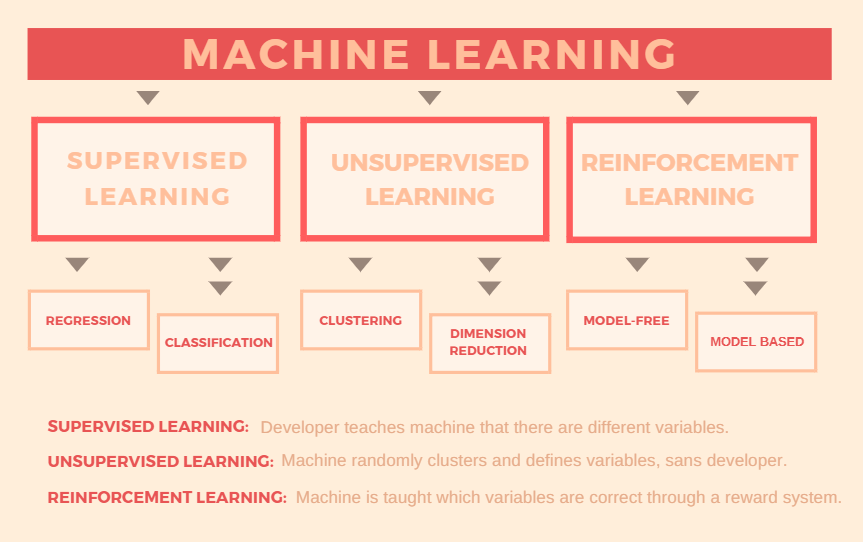
|  |  |
| --- | --- |
| **WEEK 4(PLAN)** | **Planning to Start Implementation of project, which includes exploration of dataset and malware detection techniques that needs to be implemented in the project.** |

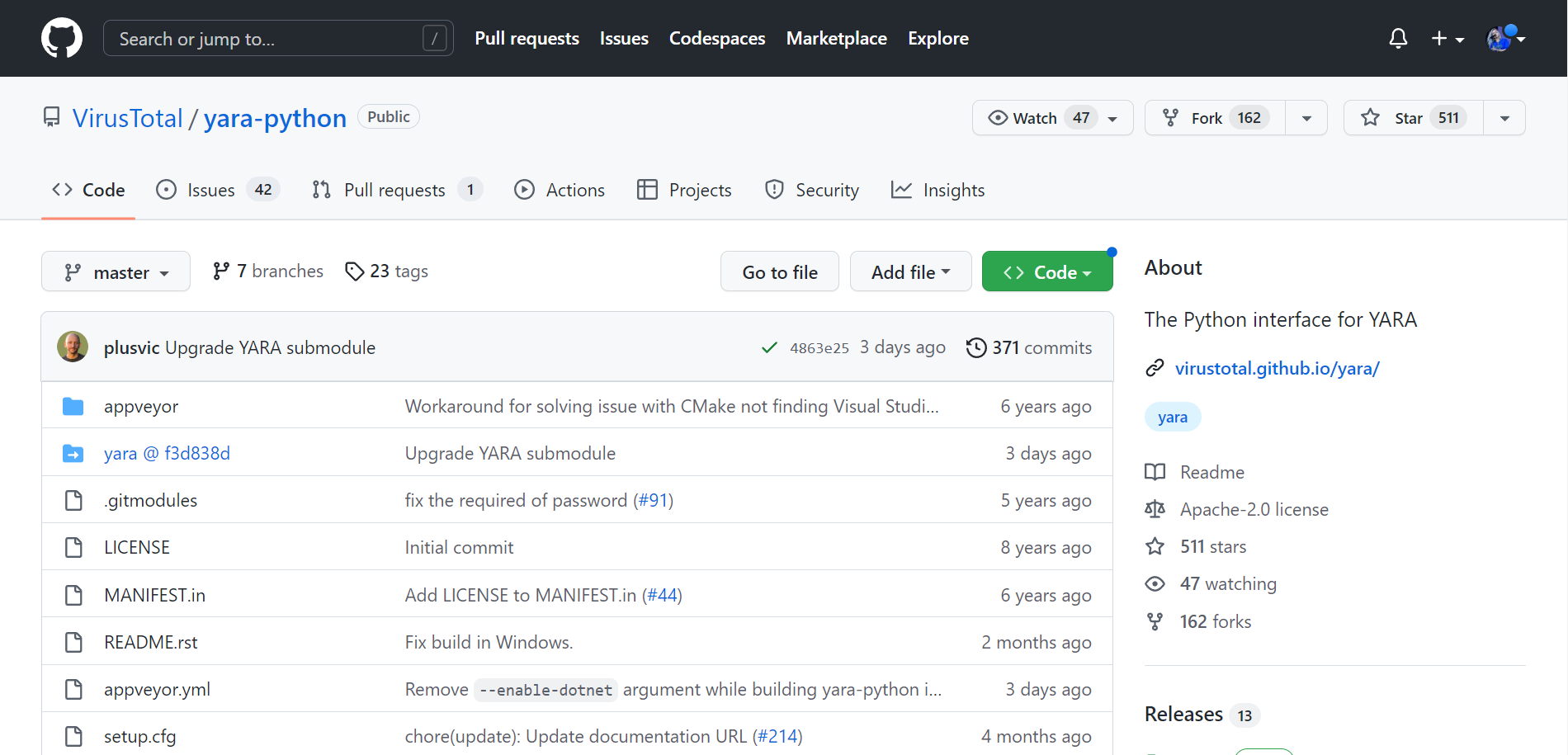
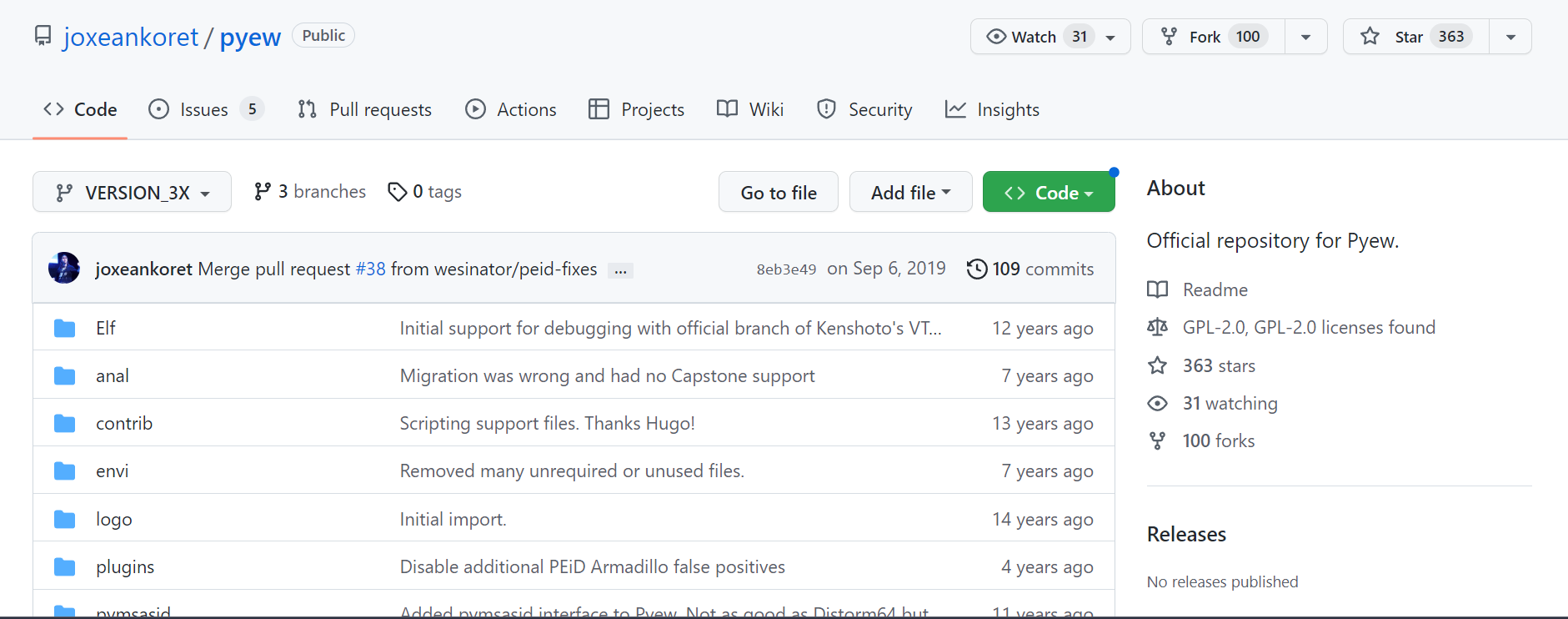
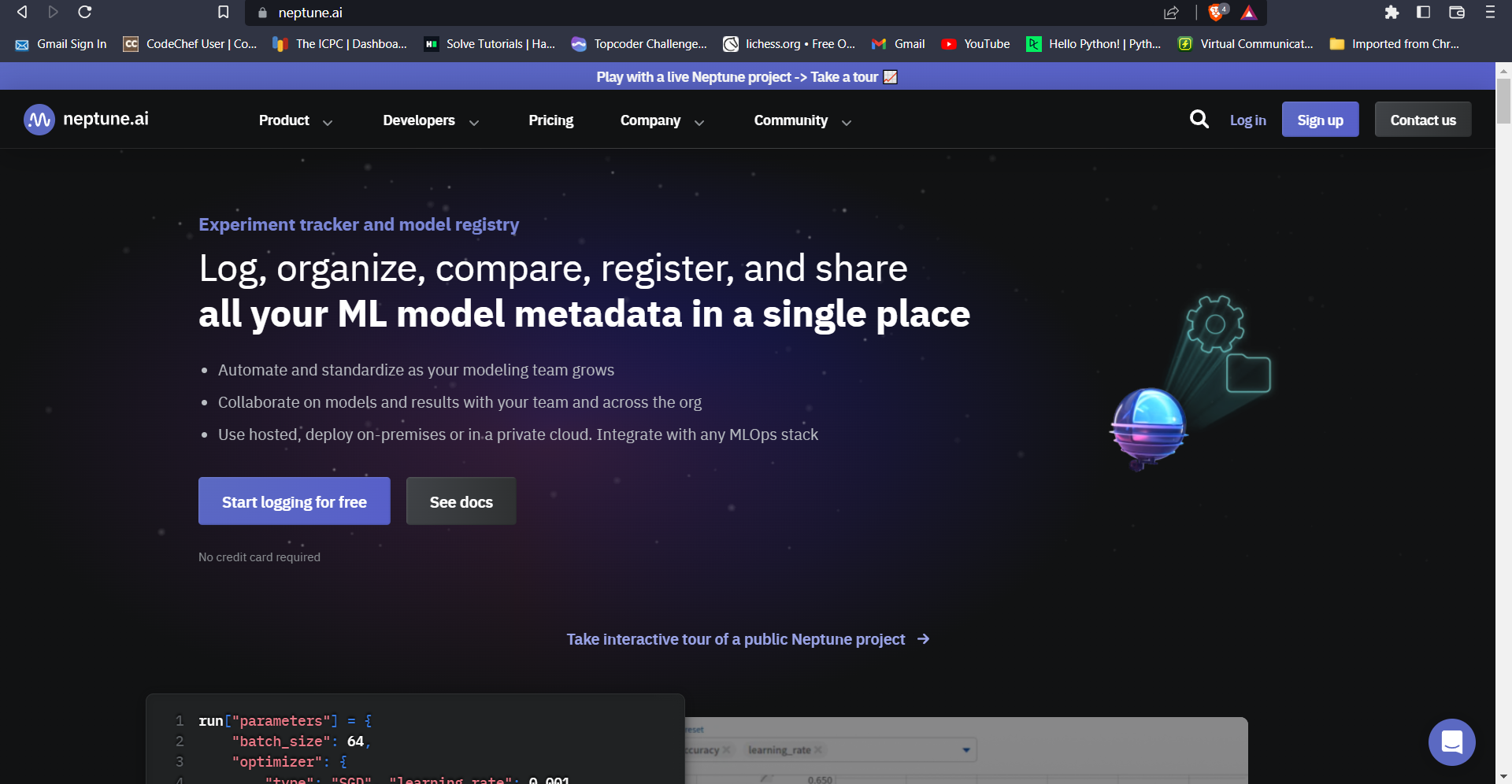
**REFERENCE:**

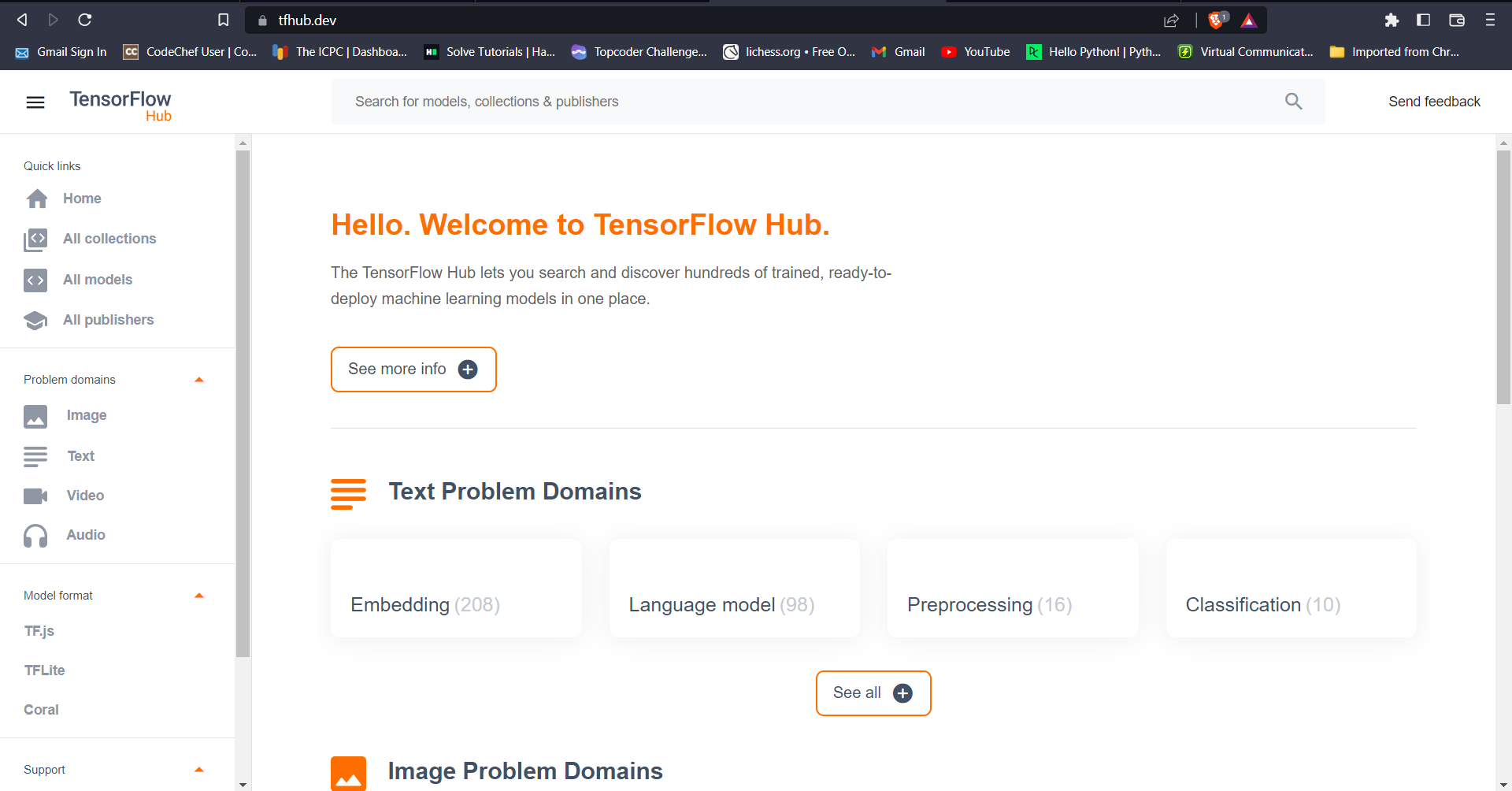
* <https://www.cisco.com/c/en_in/products/security/advanced-malware-protection/what-is-malware.html>
* <https://youtu.be/fn33V4iX5G4>
* <https://youtu.be/8dF_NGBqJ-0>
* <https://github.com/Vatshayan/MALWARE-DETECTION-FINAL-YEAR-PROJECT>
* <https://www.paloaltonetworks.com/cyberpedia/what-is-malware>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

**SCREENSHOTS:**

1. **ML TYPES**



1. **TOOLS AND COLLABORATIVE PLATFORMS:**
2. **pyew: 4) yara-python:**
3. **tfhub.dev: 3) neptune.ai:**

****