National College of Ireland

Configuration Manual

MSc Research Project
Cloud Computing

Hashvant Vijay Balamurugan
Student ID: 22106227

School of Computing
National College of Ireland

Supervisor: Dr. Punit Gupta

National College of Ireland

MSc Project Submission Sheet

School of Computing

Student Name:	Hashvant Vijay Balamurugan
Student ID:	22106227
Programme:	MSc in Cloud Computing **Year:** 2023
Module:	Cloud Computing Research Project
Lecturer:	14.12.2023
Submission Due Date:	14.12.2023
Project Title:	…Enhancing Individual Privacy Preservation in Multi-tenancy Cloud Environments through Secure Multi Party Computations: A Privacy-Based Data Partitioning Strategy……
Word Count:	**175 Page Count: 8**

I hereby certify that the information contained in this (my submission) is information pertaining to research I conducted for this project. All information other than my own contribution will be fully referenced and listed in the relevant bibliography section at the rear of the project.
ALL internet material must be referenced in the bibliography section. Students are required to use the Referencing Standard specified in the report template. To use other author's written or electronic work is illegal (plagiarism) and may result in disciplinary action.

Signature: Hashvant Vijay Balamurugan

Date: 14.12.2023

PLEASE READ THE FOLLOWING INSTRUCTIONS AND CHECKLIST

Attach a completed copy of this sheet to each project (including multiple copies)	□
Attach a Moodle submission receipt of the online project submission, to each project (including multiple copies).	□
You must ensure that you retain a HARD COPY of the project, both for your own reference and in case a project is lost or mislaid. It is not sufficient to keep a copy on computer.	□

Assignments that are submitted to the Programme Coordinator Office must be placed into the assignment box located outside the office.

Office Use Only	
Signature:	
Date:	
Penalty Applied (if applicable):	

Configuration Manual

Hashvant Vijay Balamurugan
Student ID: 22106227

1 Introduction

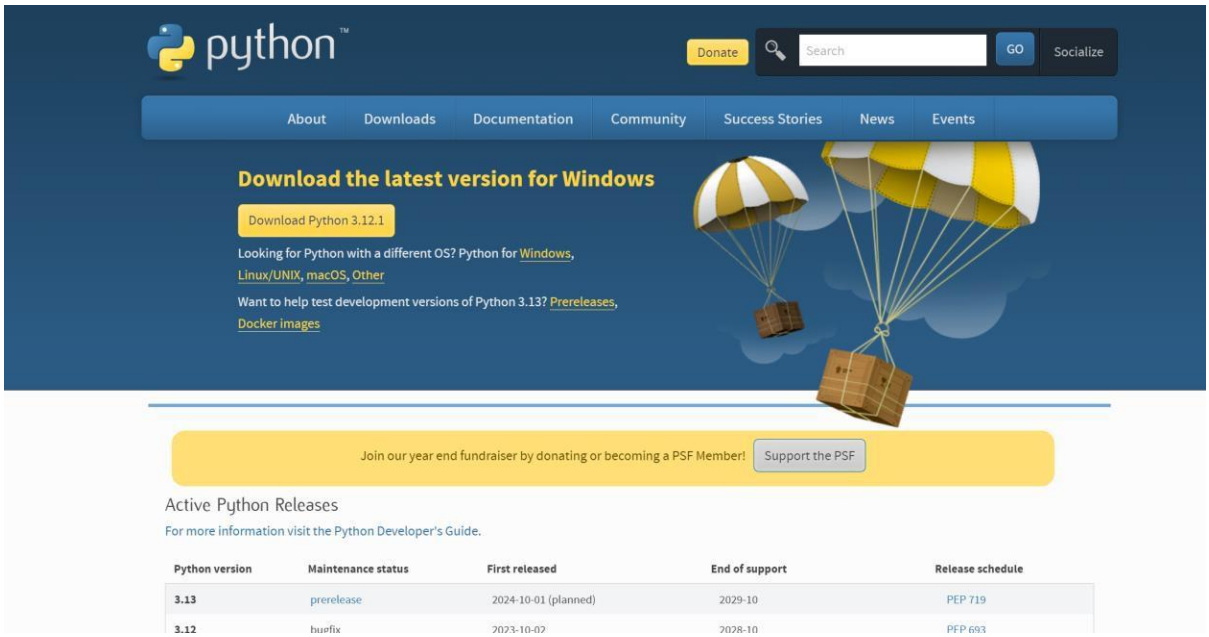
Enhanced privacy protection with nuanced security measures is implemented as shown below

2 Prerequisites

1. Python 3.11.8
2. VS Code
3. Kaggle (Public Cloud SaaS)

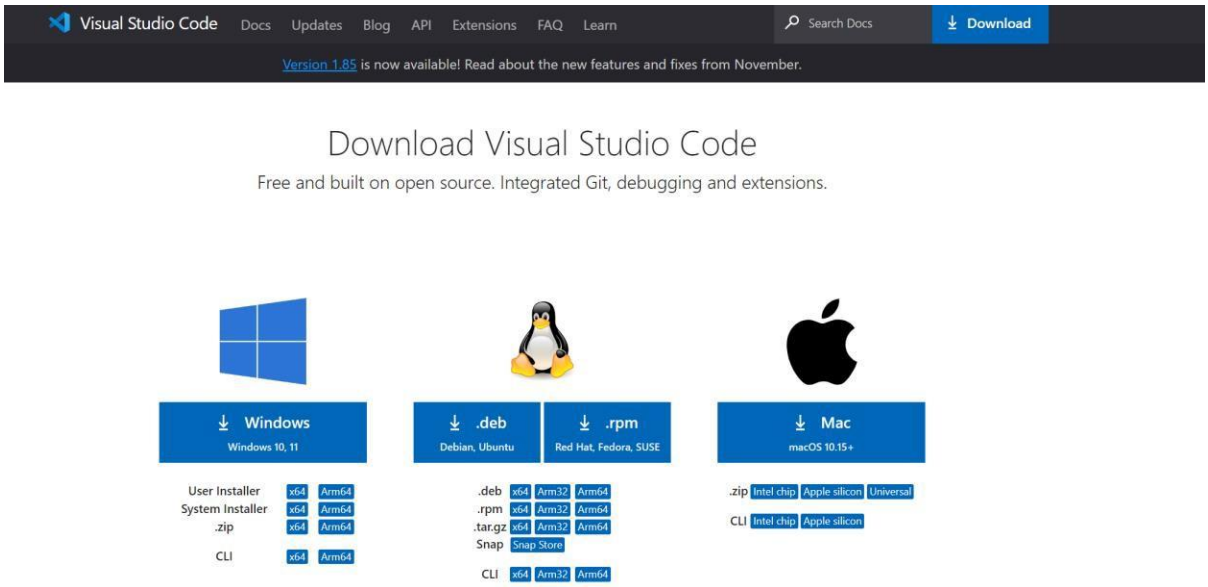
3 Prerequisite Installation

Step 1: https://www.python.org/downloads/
Download Python

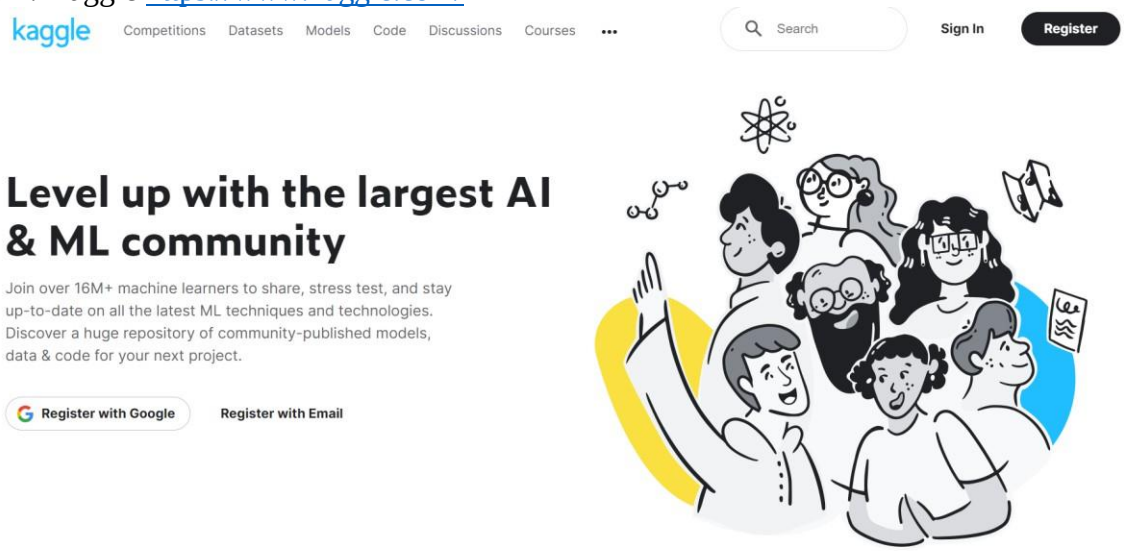


Step 2: Install Python with Generic windows msi installer

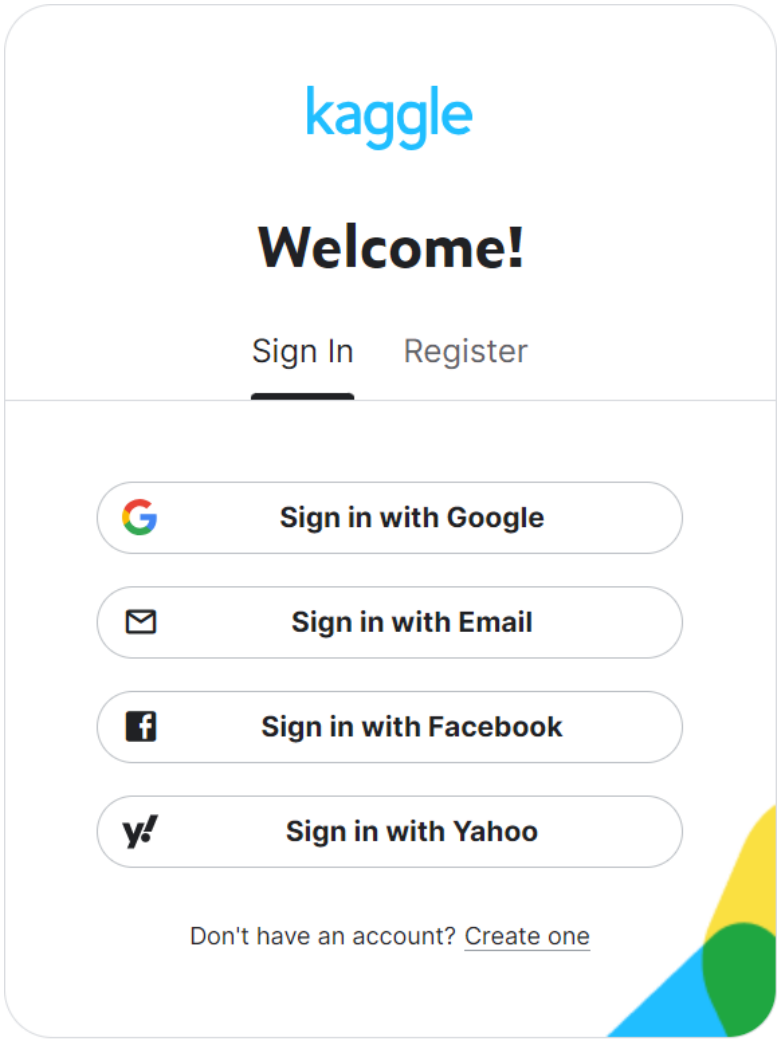
Step3: https://code.visualstudio.com/download
Download VS code



Step 4: Kaggle https://www.kaggle.com/

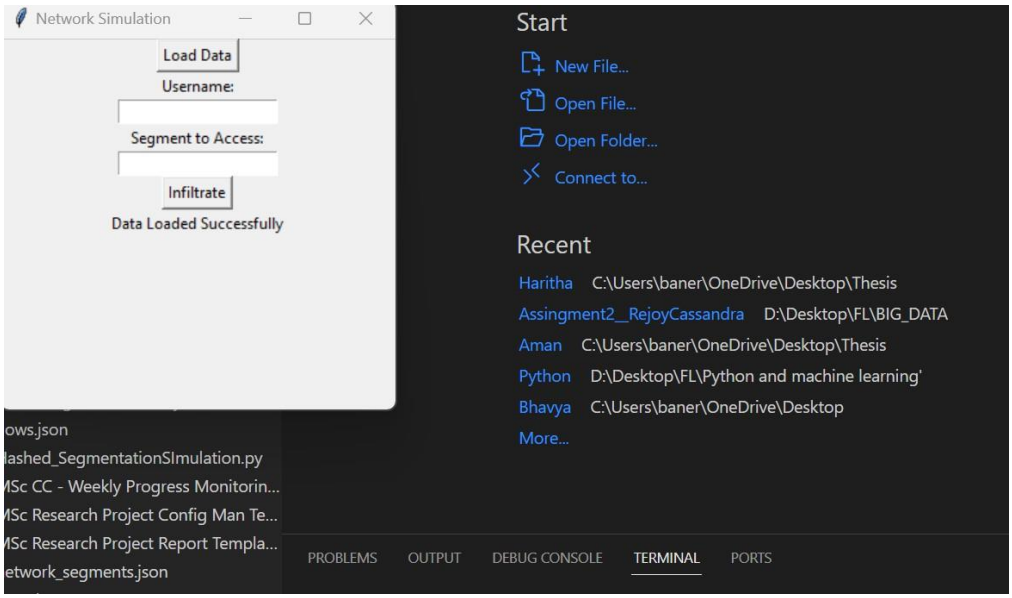


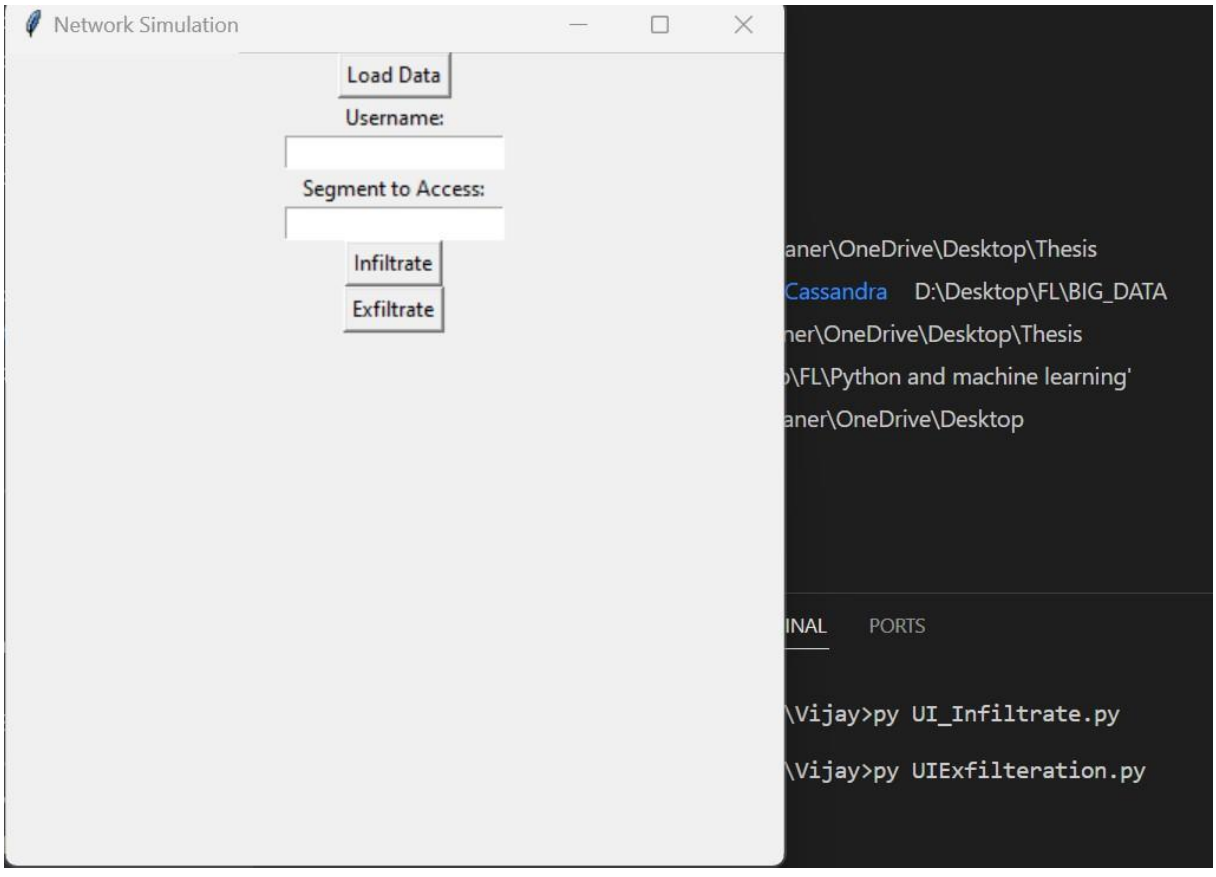
Step 5: Sign in or Register



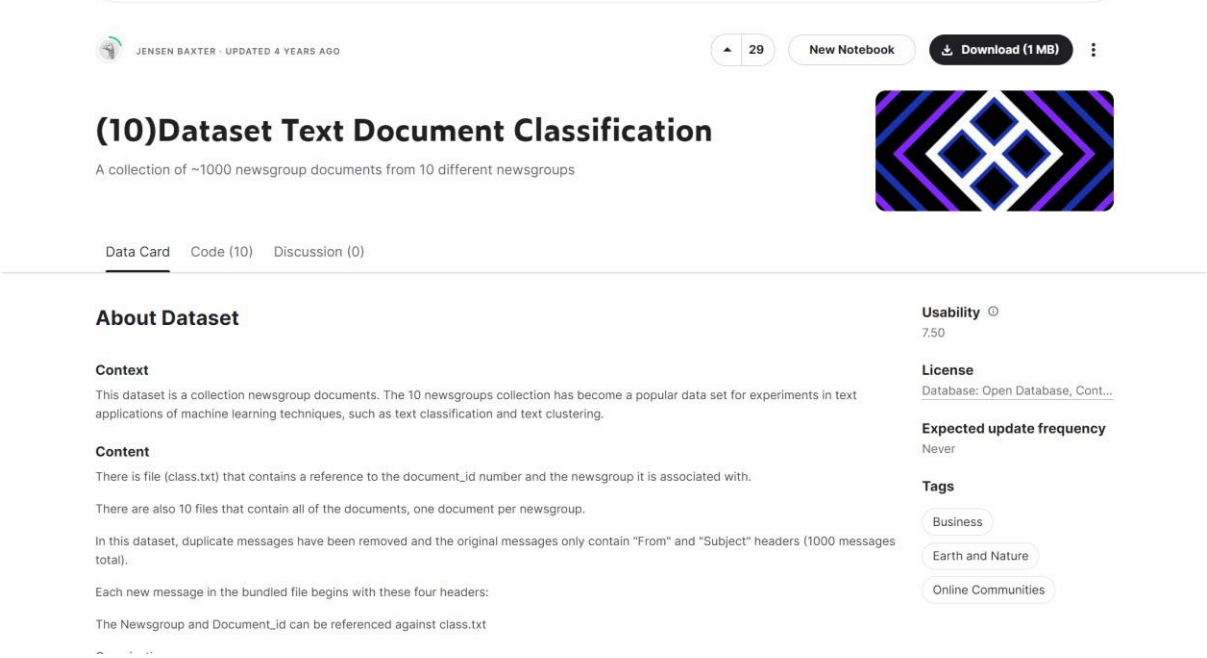
4 Running the proposed Code

A. UI Exfiltrate and UI infiltrate can be run using the VS Code
B. Place the Files in one folder and open it in VS Code and run the following lines
C. py UIExfilteration.py or python UIExfilteration.py
D. py UI_Infiltrate.py or python UI_Infiltrate.py



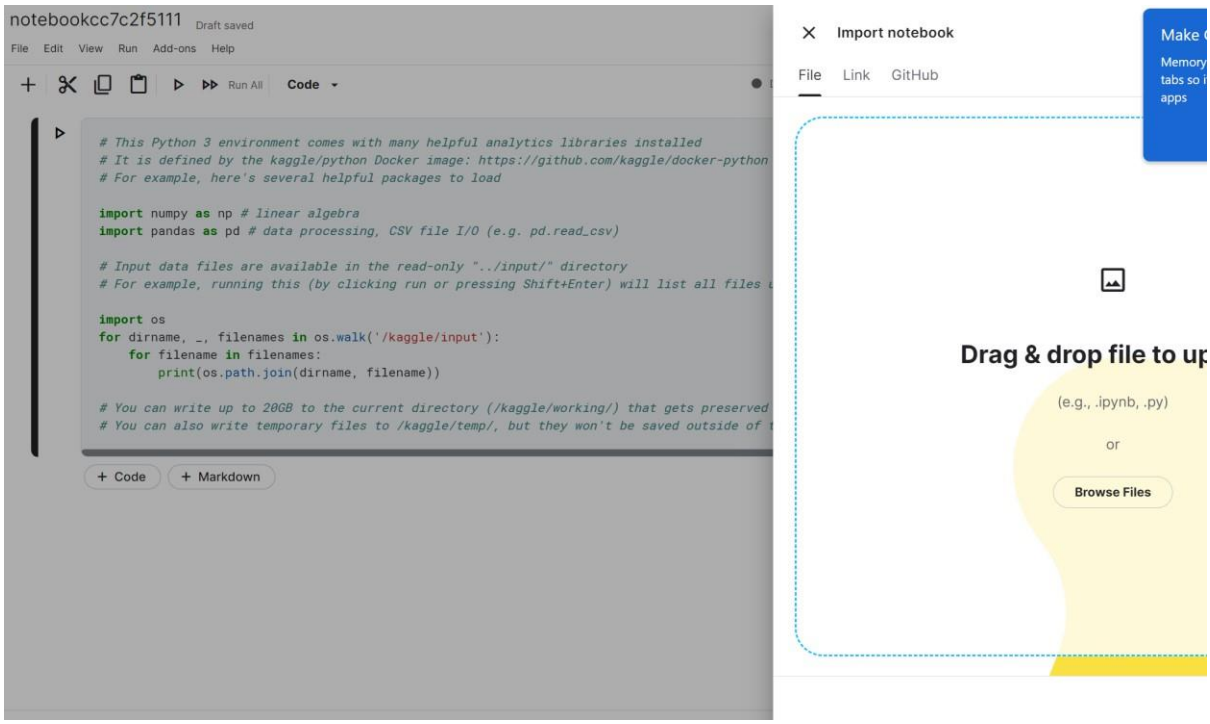


Step 2: Kaggle, go to link https://www.kaggle.com/datasets/jensenbaxter/10dataset-text-document-classification

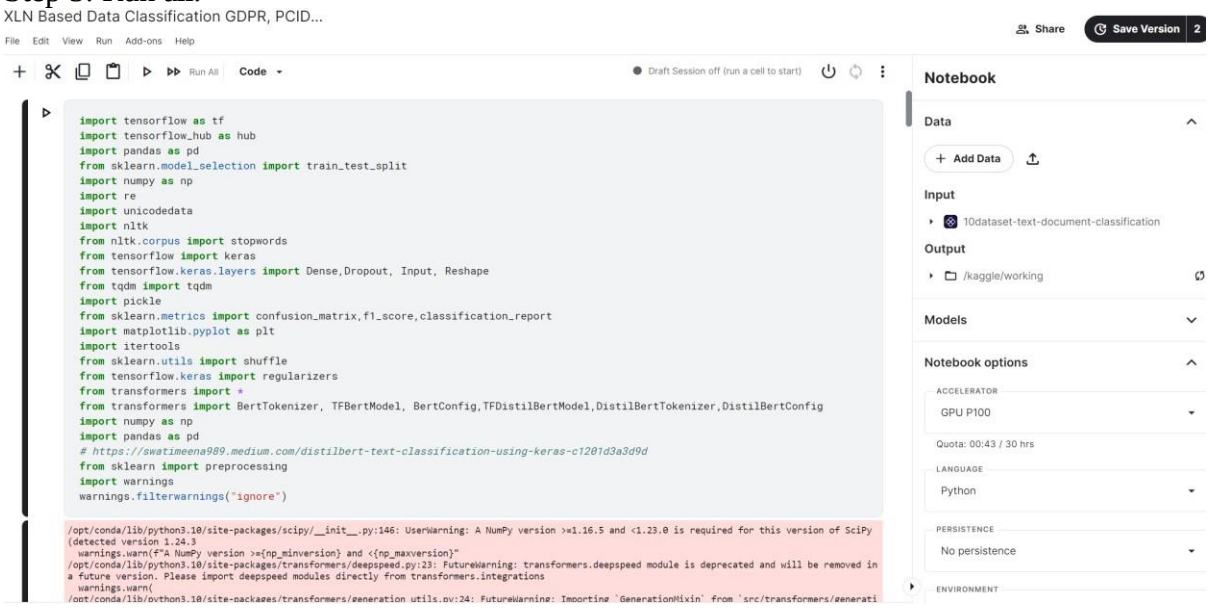


Step 3: Click on New Notebook

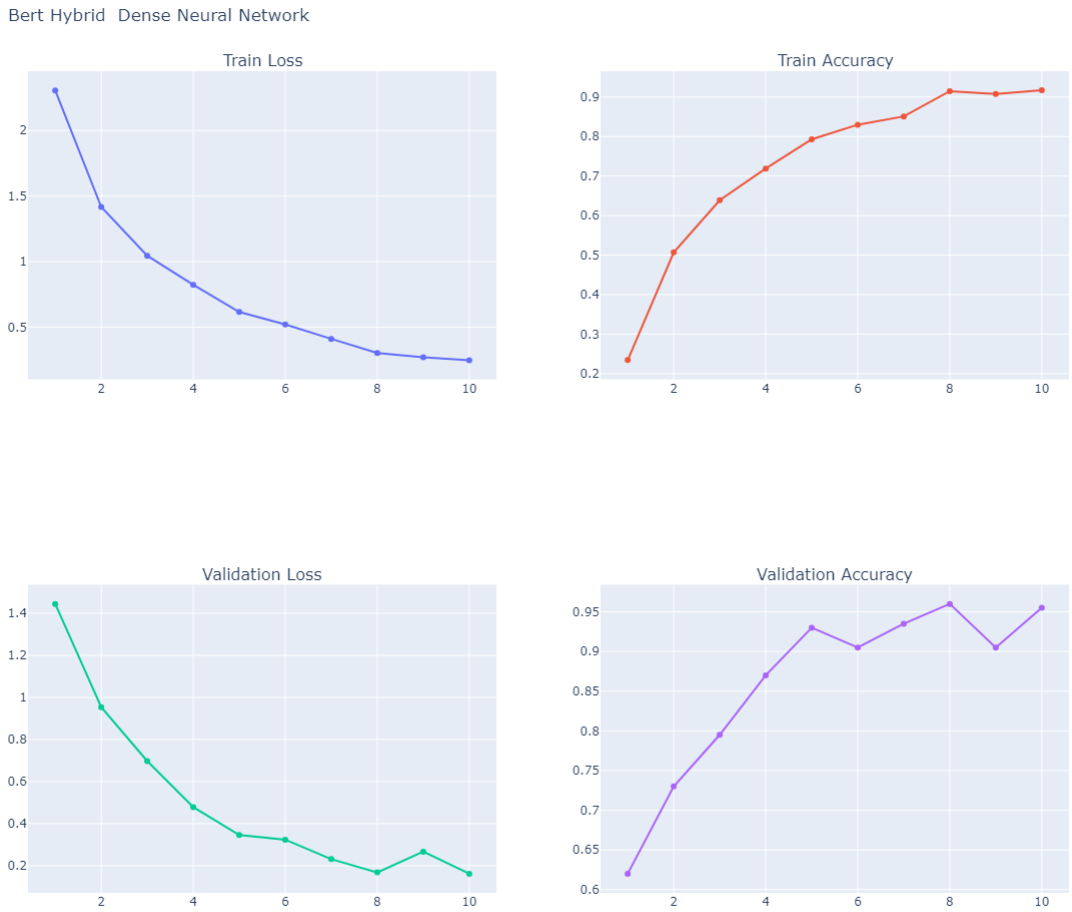
Step 4: Import Notebook (XLN Based Data Classification GDPR, PCIDSS)



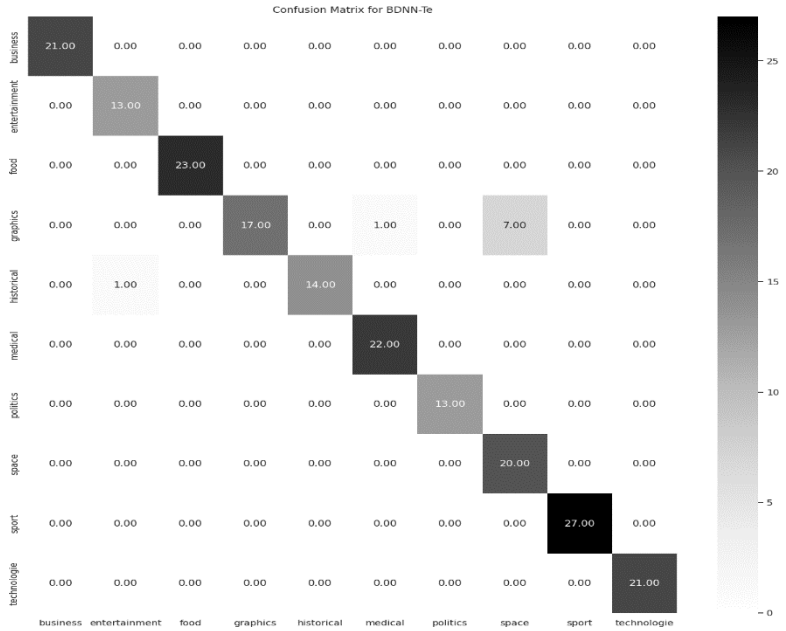
Step 5: Run all.



Training Time



Confusion Matrix



References

Microsoft. (2021). *Visual Studio Code*. Available at: https://github.com/microsoft/vscode

Baxter, J. (Year). 10Dataset - Text Document Classification*. Available at: https://www.kaggle.com/datasets/jensenbaxter/10dataset-text-document-classificationFeng, G. and Buyya, R. (2016). Maximum revenue-oriented resource allocation in cloud, IJGUC 7(1): 12–21.*