

Configuration Manual

MSc Research Project
Cyber Security

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MSc Project Submission Sheet



School of Computing

Student Name: Naveen Kumar Singh
Student ID: X19223978
Programme: MSc in Cyber Security **Year:** 2020-21
 Research Project
Module: Niall Heffernan
Supervisor:
Submission Due Date: 16/09/2021
Project Title: URL Phishing Detection using Machine Learning Technique
Word Count: **Page Count:**.....

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.

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Date: 15/08/2021

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Configuration Manual

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1 Configuration Manual Introduction

This manual describes the software tools that were utilized to implement the project. This manual also contains step-by-step instructions for installing needed software, loading code into systems, and executing the project to generate results.

2 Hardware Details

2.1 Specifications

Heavy-duty resources are required for Machine Learning algorithms and processing. The hardware specifications of my hosted computer are listed below. These are not the bare minimums. You may review the specs of each software separately by visiting their respective websites. The variation in values will influence the project's performance.

2.2 Hardware

Device name: NeV
Processor: Intel(R) Core(TM) i7-10750H CPU @ 2.60GHz 2.59 GHz
Installed RAM: 16.0 GB
System type: 64-bit operating system, x64-based processor
Pen and touch: No pen or touch input is available for this display

2.3 Operating System

Edition: Windows 10 Home Single Language
Version: 21H1
Installed on: 24-09-2020
OS build: 19043.1165
Serial number: PF2ANQLB
Experience: Windows Feature Experience Pack 120.2212.3530.0

3 Required Software

This development part of this project is divided into two parts:

1. The machine learning algorithm which is used to test and train the algorithm is developed in python version 2.7.18. So, I used a packaged tool called Anaconda navigator. We need packages to run Machine Learning algorithms. For that we installed scikit-learn or update it to its latest version.
2. And for the JavaScript part of the project for extension is developed in Microsoft Visual Studio 2017.

References