DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, PUNE

Data Science for Cybersecurity
Third Year B. Tech, Semester 6

PC USAGE ANALYZER

MINI PROJECT REPORT

Under the Guidance of
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Abstract

We spend a lot of time on our computers, and it can be interesting to see how we use them. This project aims to analyze the usage of a computer by monitoring the applications used, the time spent on each application, and the frequency of usage. The project will involve developing a tool that can track the user's activities on the computer and generate reports based on the data collected. The tool will provide insights into the user's behavior and help identify patterns in computer usage. The project will also explore the privacy implications of monitoring computer usage and discuss ways to protect user data.

The project will be implemented using Python and will involve developing scripts to capture and analyze computer usage data. The project will provide a valuable resource for users to understand their computer usage patterns and make informed decisions about their digital habits.

For ease of use, Django will be used to create a web interface for the tool, allowing users to view their computer usage data and generate reports. The project will also explore the ethical considerations of monitoring computer usage and discuss the implications of collecting and analyzing user data.

This project was intented as a mini project for the Data Science for Cybersecurity and Forensics course at Dr. Vishwanath Karad MIT World Peace University, Pune. The project aims to provide a practical application of data science techniques in the field of cybersecurity and forensics and to explore the potential of monitoring computer usage as a tool for improving digital habits and privacy awareness. But its root and inspiration was from having played a lot of games, and realizing that an analysis of the time spent on the computer could be interesting.

0.1 Keywords

Computer Usage, Monitoring, Analysis, Python, Privacy, Data Collection, Insights, Patterns, Digital Habits.

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Operating System: Windows 11 Pro x86
IDEs or Text Editors Used: Visual Studio Code
Compilers or Interpreters: Python 3.10.1

3.5 Screenshots

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Bibliography

[1] Jakobsson, M., & Myers, S. (2007). Phishing and Countermeasures: Understanding the Increasing Problem of Electronic Identity Theft. Wiley Publishing.