

Malware Detection System

HSS Development Project
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Project Overview

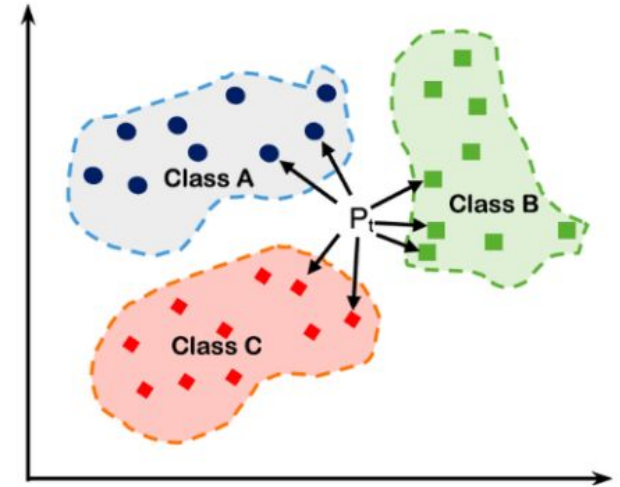
- Objective of the project
- Importance in the field of cyber security

Objectives

- Develop a KNN-based detection model
- Evaluate model performance
- Optimize for real-world application



K Nearest Neighbors



Methodology

- Weeks 1-2: Literature Review and Data Collection
- Weeks 3-4: Model Development and Training
- Week 5: Model Evaluation
- Week 6: Optimization and Documentation

Resources Required

- Dataset access
- Computing resources
- Software tools

Demonstration

<https://youtu.be/cPm150wexs0>

Technical Overview

- Key technologies used: Python, VirusTotal API, OpenAI

Conclusion

- Contribution to cybersecurity
- Future research directions