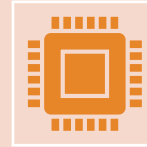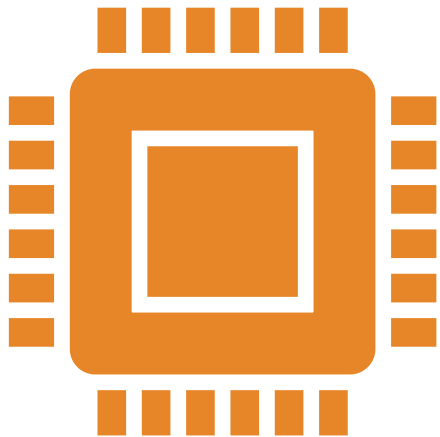# EnSigma Shield
A Malware Analyser

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Identified Problem
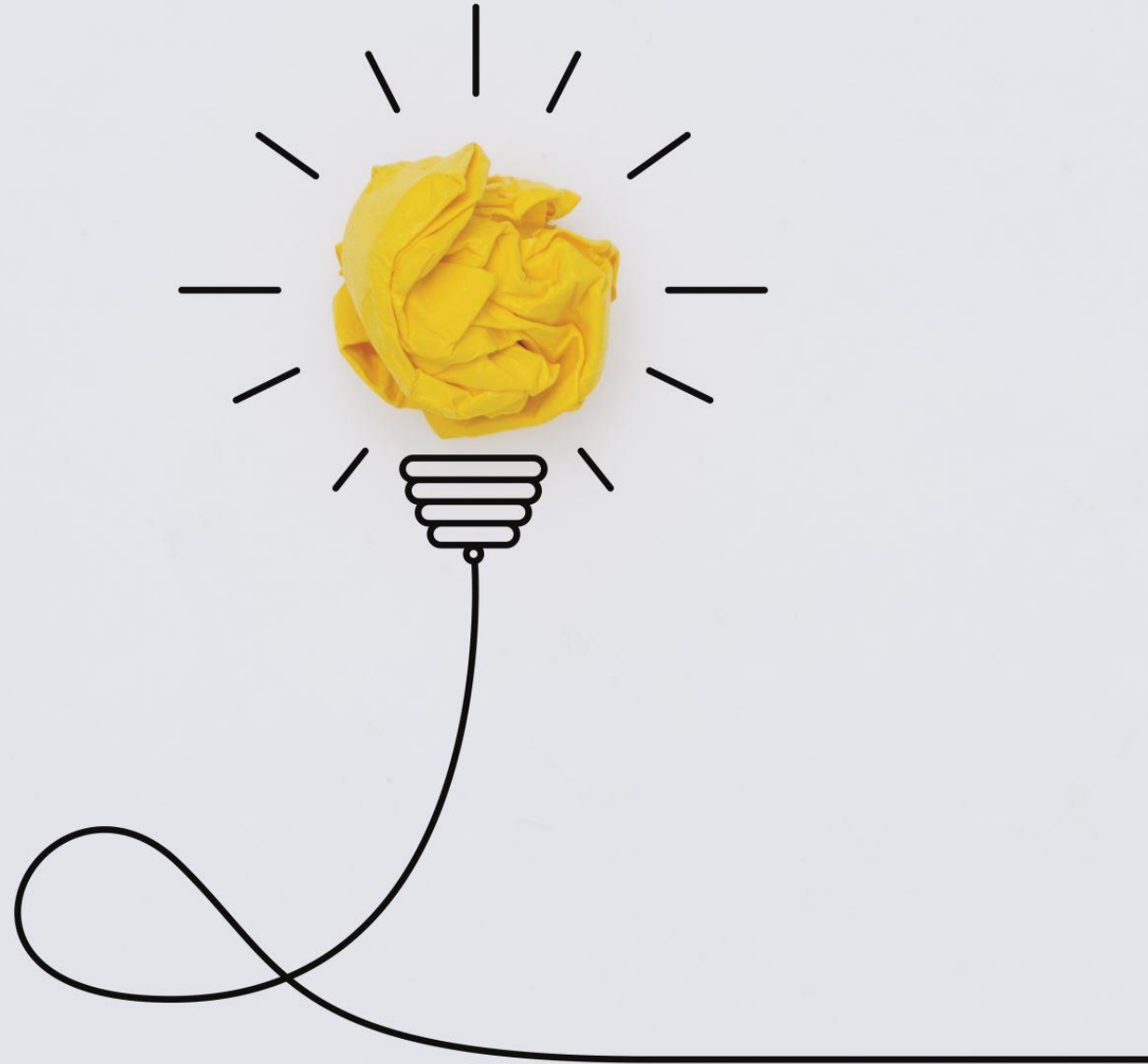
Malware attacks is being increasing exponentially in these days and user needs to be safe

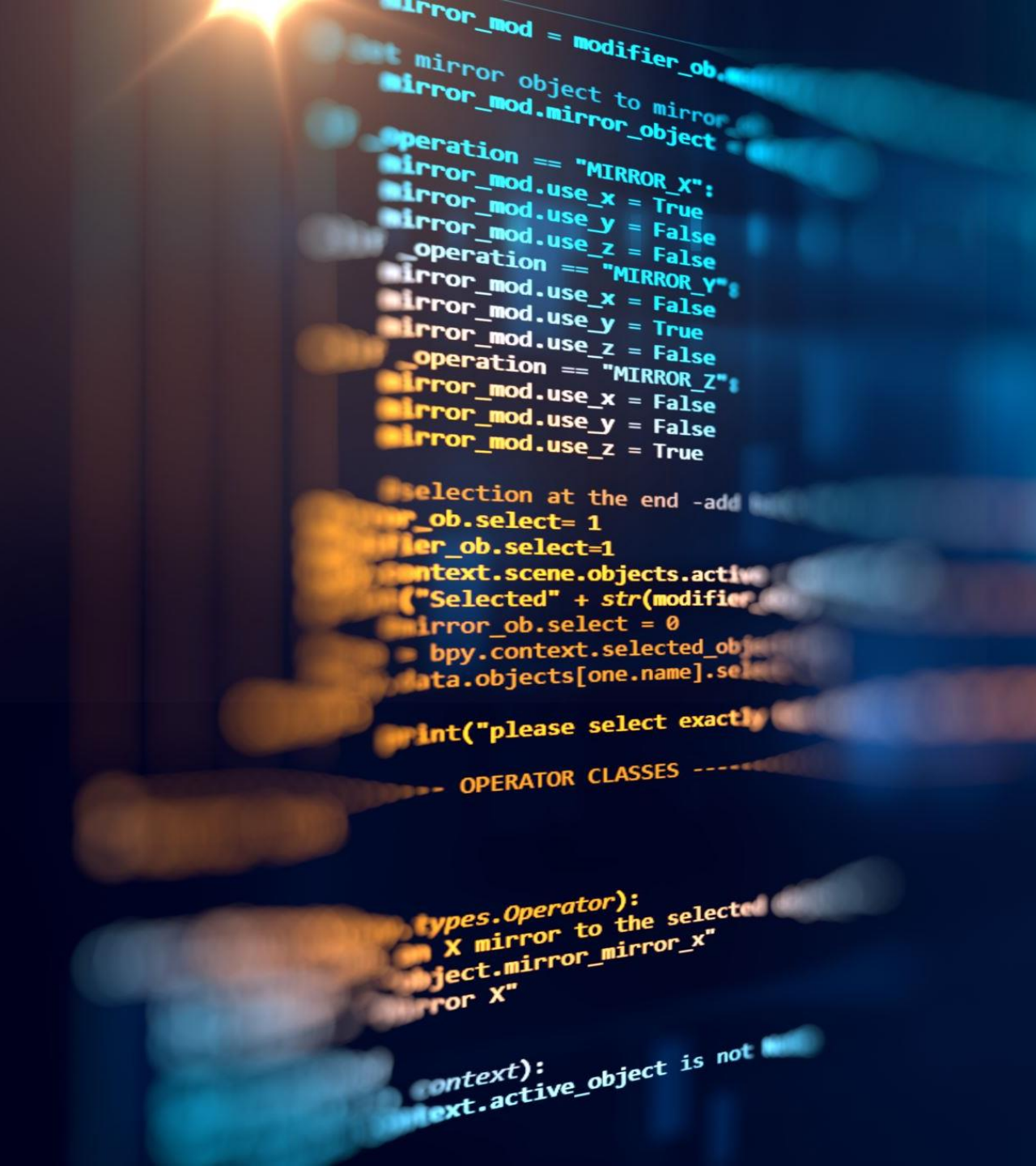To make a user safe from malware

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Solution

- The main idea is to prevent Malware attacks

- The project will identify the Malware and alert the user regarding Malware and instruct to quarantine it

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Features

- Upload files to analyze for malware.

- Simple and intuitive UI.

- Responsive design that fits within the viewport.

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Working

- The tool receives .exe files from user and checks for execution parameters
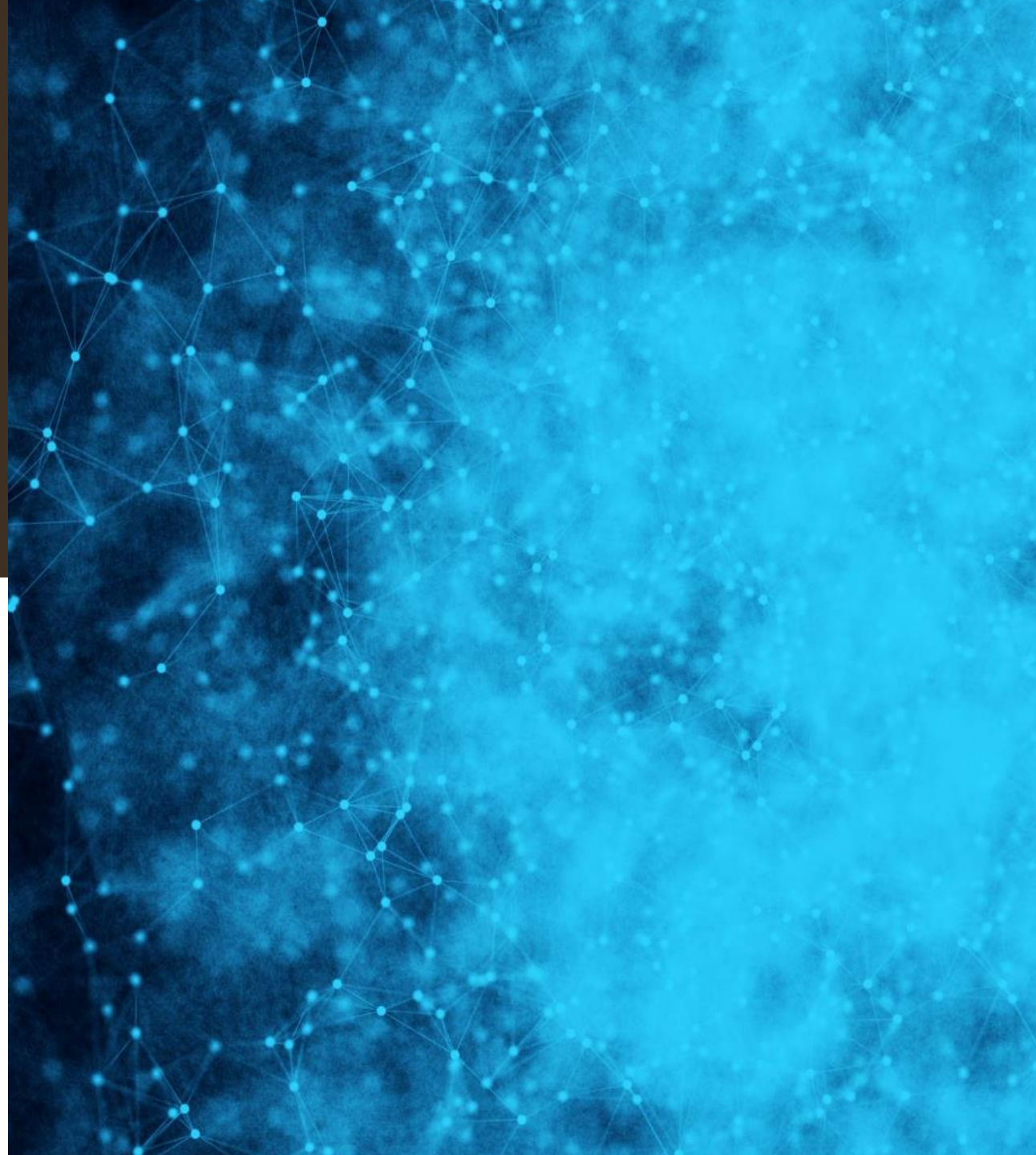
- It returns the message whether its safe or not
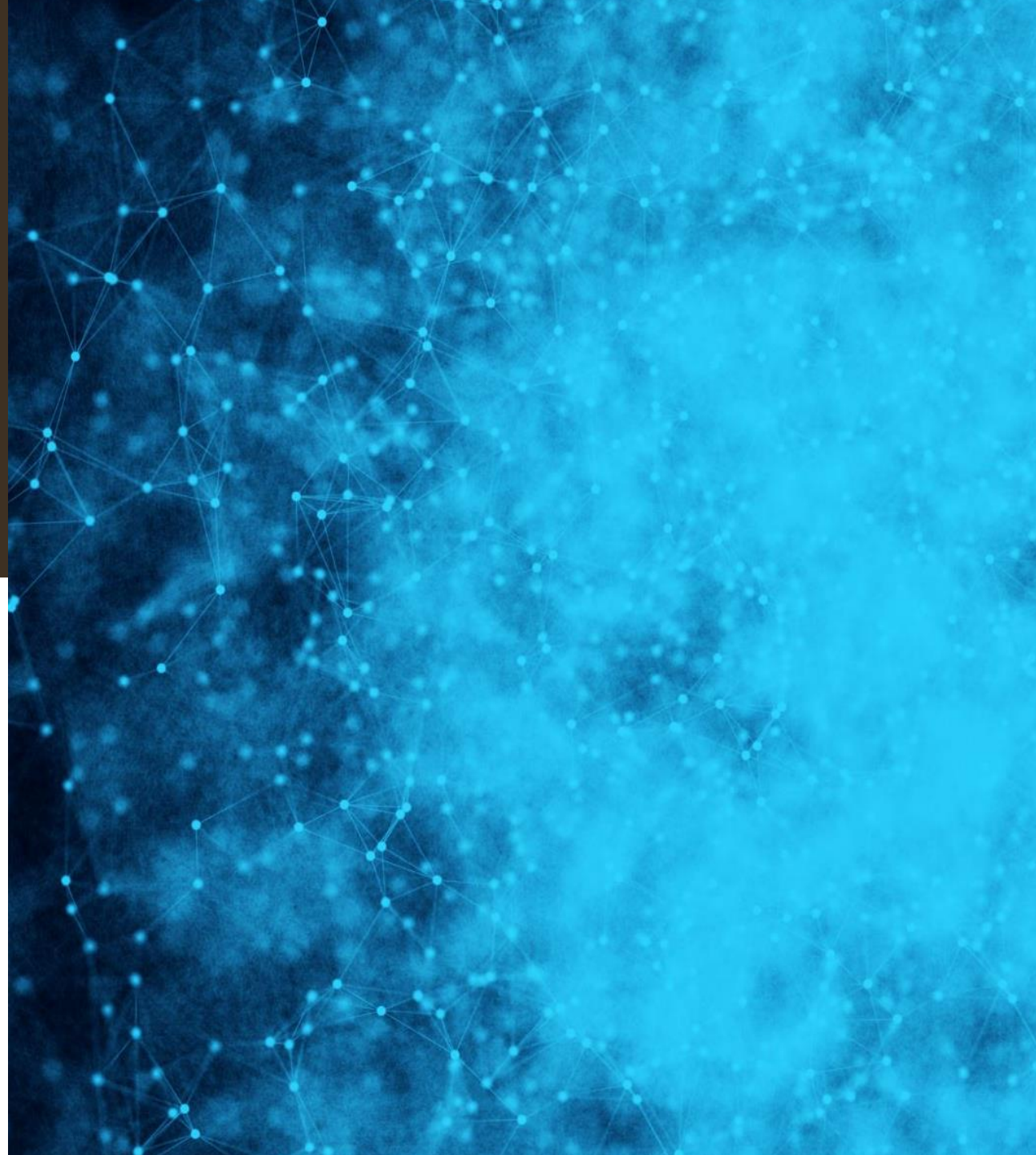
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Front End

- HTML

- CSS

- Flask

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Back End

- Python

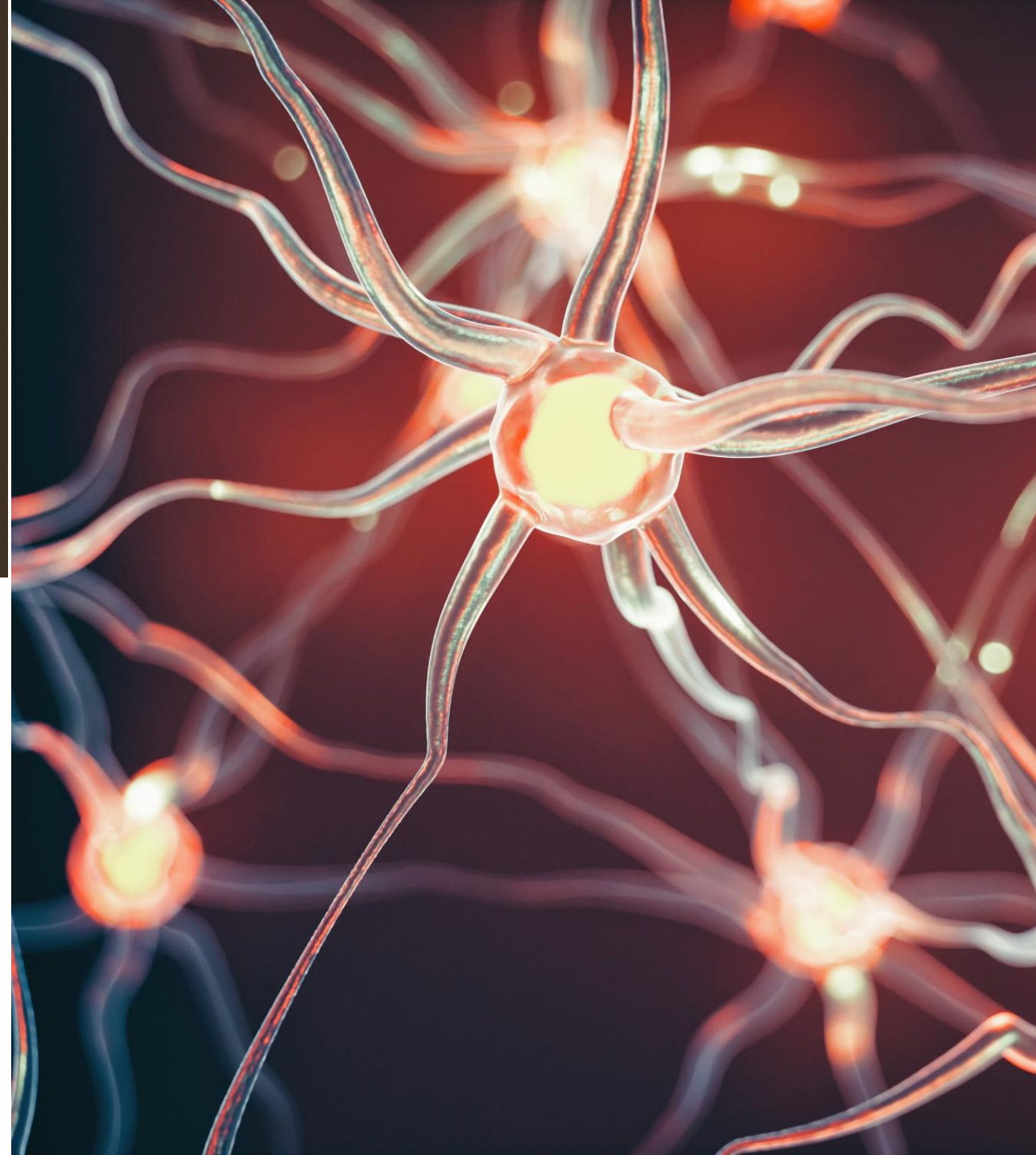- Pefiles library

- Os library

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Requirements

- Python 3.x

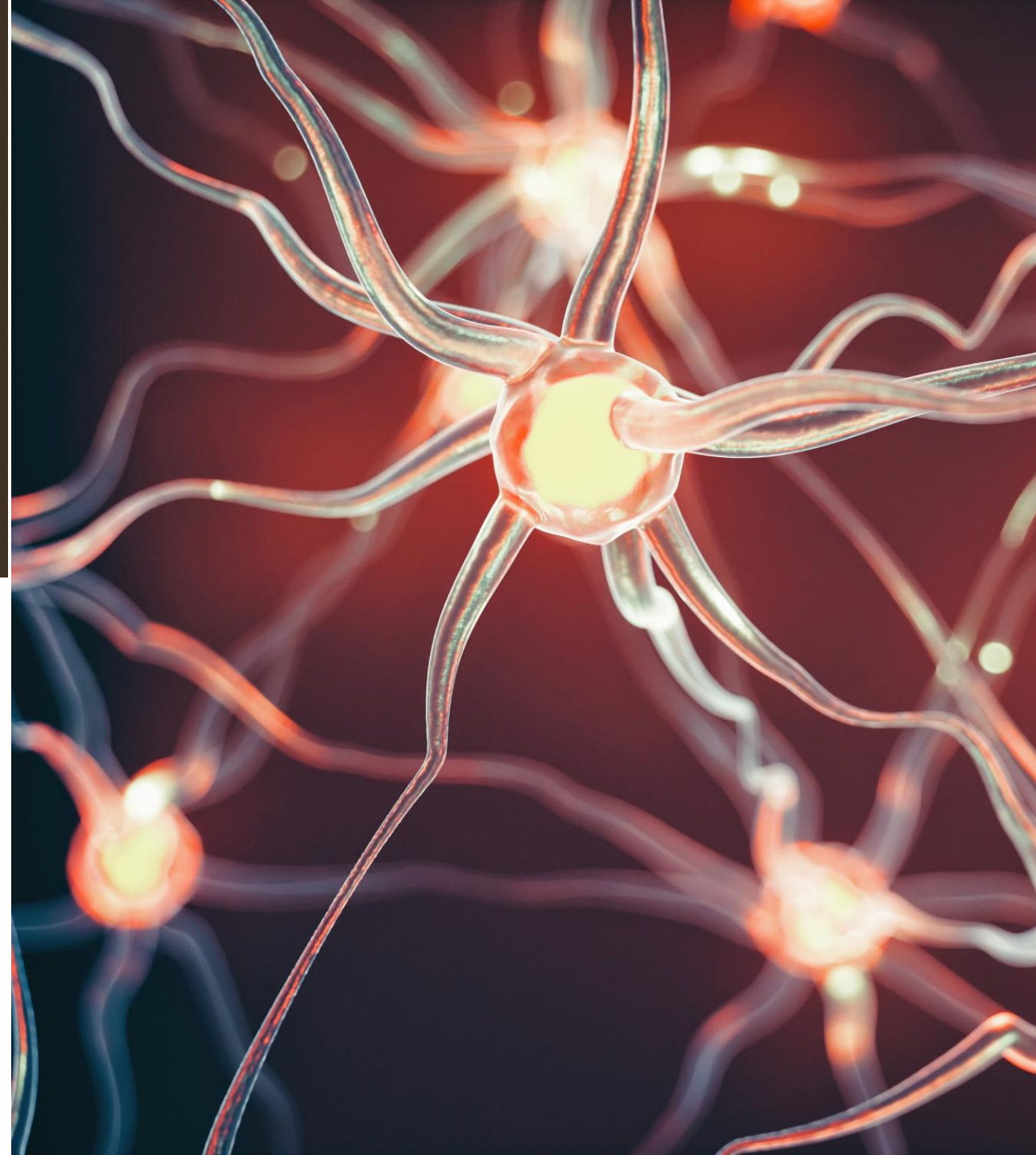- Flask

- Os,pefile,filetype libraries

- Working OS

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Usage

1. Open the application in your web browser.

2. Click on "CHOOSE FILE" to select a file from your computer.

3. Click on "ANALYZE" to upload and analyze the file

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Future Enhancement

1. Dynamic Analysis: Incorporate dynamic analysis for real-time threat detection.

2. Enhanced Heuristics: Refine heuristic rules based on ongoing analysis and feedback.

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Thank You

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