

# **MidBrain Antivirus**

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**Abstract:** *The "MidBrain" antivirus project focuses on developing an intermediate-level antivirus software that offers essential protection against malware and system threats. The project utilizes techniques such as hash-based malware detection, folder and deep scanning to identify and eliminate malicious software. Additionally, it incorporates real-time protection to safeguard the system by continuously monitoring and blocking threats in real time. System optimization features like a RAM booster and junk file remover are included to enhance overall performance. The project is designed with upgradability in mind, allowing for future enhancements in malware detection algorithms and database updates. Built using Python and Tkinter, or PyQt for the graphical user interface (GUI), the "MidBrain" antivirus provides a user-friendly, efficient, and adaptable solution for everyday system protection.*

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