**Major Synopsis**

**Malware Detection Using Artificial Intelligence Techniques**

Malwares are getting intelligent day by day, they utilize heuristics to change their code dynamically to prevent detection from antivirus. We cannot predict how much intelligent they can become with these active learning techniques.

Due to different behaviour of different malwares, each malware group uses different alternative to remain undetected. Antivirus software require improvisation to counter attack such viruses for computer protection.

In a virtual environment the antivirus software classifies sequences/features by their behaviour by allowing them. **This new detection is more effectual in inspecting system information, including system file, and diagnosing which kind of computer virus is infected by differentiating with the traditional methods.**

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