Smart-Sort
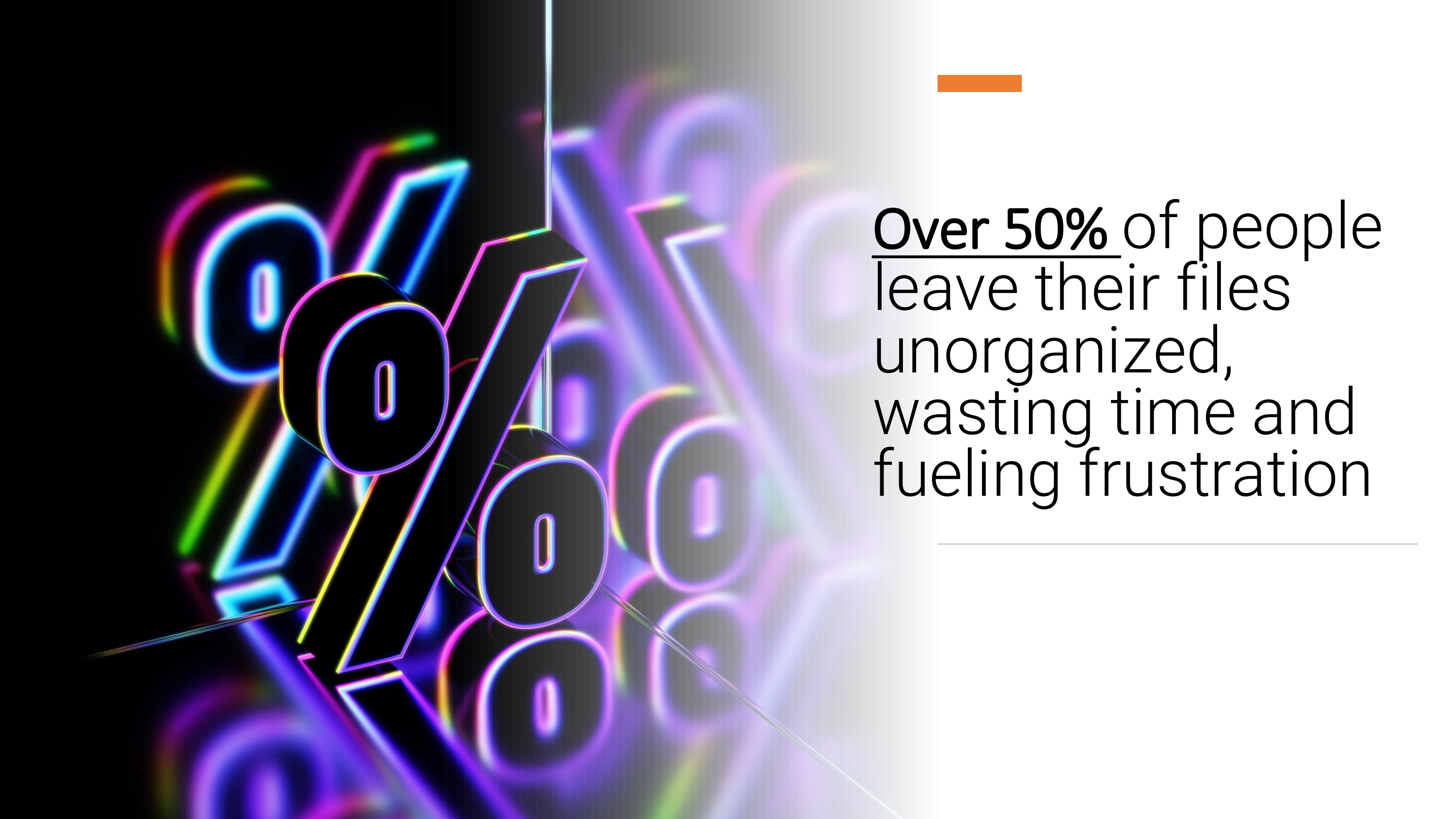
An easy way to file

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Over 50% of people leave their files unorganized, wasting time and fueling frustration

Introducing Our AI-Driven File Organizer

1 Initial Categorization

Files are automatically sorted by type into folders like "Documents" and "Media".

2 AI-Based Classification

GPT-4 analyzes file names and content for deeper, more intuitive organization.

3 Continuous Learning

The AI adapts to user preferences, improving categorization over time. – Reinforcement Learning through SK-Learn Pkg.

Demonstrating Our AI File Organizer

File/OS Detection

Instantly recognizes various file types across your system.

Automatic AI Categorization

Intelligently uses AI and sorts files into appropriate folders based on content and type.

GUI

Used PyQT for the GUI to provide interactive interface with color coded files and for easy User Experience

Navigating Technical Hurdles

Environment Setup

Secured API keys using environment variables, enhancing code safety on GitHub.

API Rate Limits

Optimized token usage to manage costs and stay within OpenAI's API limits.

File Handling

Implemented dynamic path updates to ensure accurate file movement and processing.

Scaling the Solution

1

Current Capability

Efficiently organizes personal and small business file systems.

2

Midterm Scaling

Expanding to handle enterprise-level file volumes and diverse file types.

3

Future Vision

Integrating advanced AI for content analysis and intelligent document search. Implementing a Secure LLM into the application.

Questions and Feedback

Potential Improvements	Additional Use Cases
Enhanced image recognition capabilities	Legal document management
Integration with cloud storage platforms	Medical record organization
Multi-language support for global markets	Academic research file management