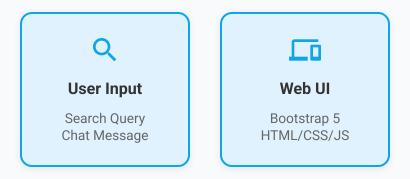
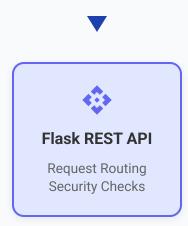
↑ CyberSpace Architecture

AI-Powered Cybersecurity Knowledge Platform - Technical Overview



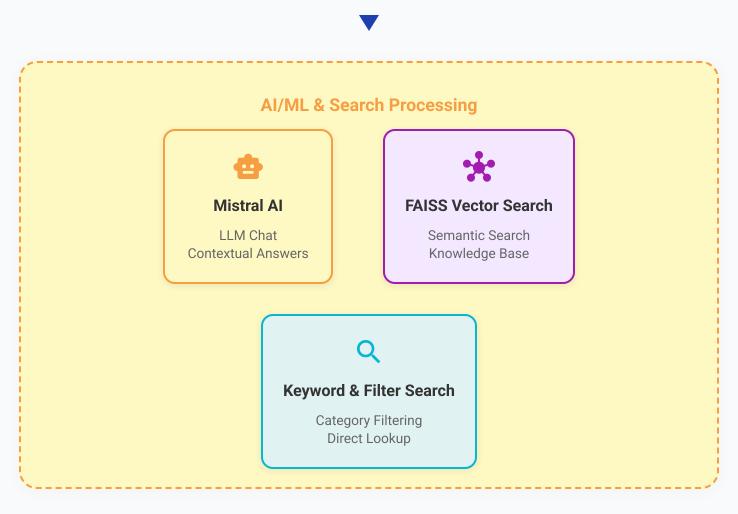
User submits a search or chat message via the web interface



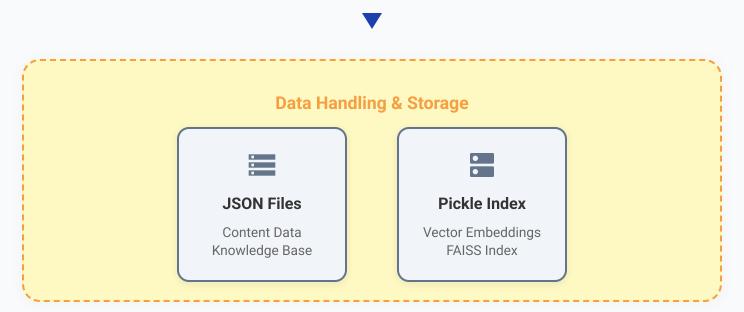
API receives request and routes to appropriate service



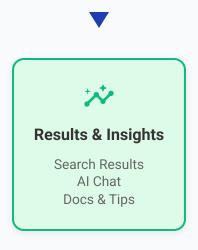
Routes determine which backend logic to invoke



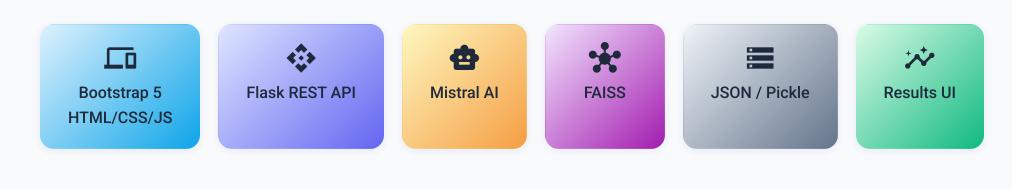
Al, vector, and keyword search process the query and retrieve relevant knowledge

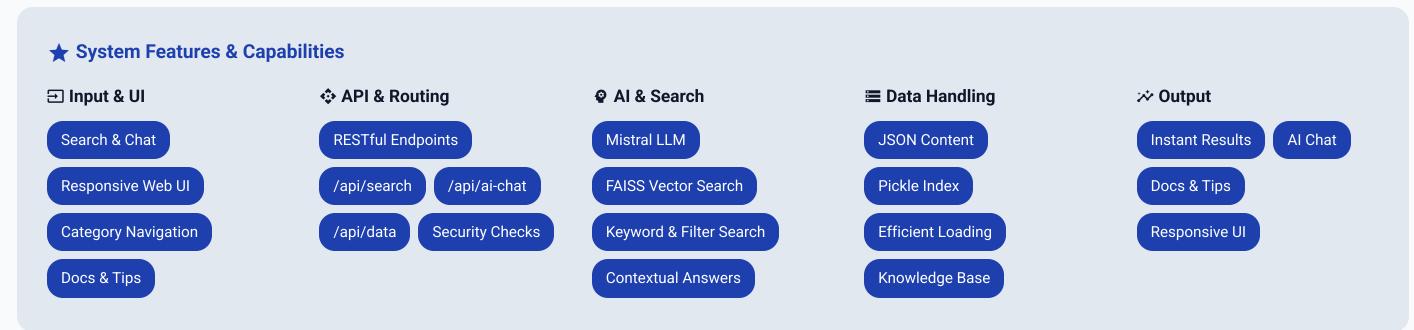


Data is loaded, indexed, and searched as needed



User receives results, chat responses, and documentation





1 How the Application Works

- 1. User enters a search or chat message in the web UI.
- 2. The Flask REST API receives the request and determines the correct route (e.g., /api/search, /api/ai-chat).
- 3. The route invokes backend logic: semantic search (FAISS), AI chat (Mistral), keyword search, or data retrieval.
- **4.** Data is loaded from JSON files or Pickle index as needed for the query.
- 5. The system returns results, chat responses, or documentation to the user in the web UI.