

AI Search tool for Meraki Marketplace

Overview

A user interacts with these different type of search tools in different ways. A keyword search could be, “camera, outdoor, event logger”. An AI search could be, “I am looking for an app that works with an outdoor camera to log the times that a door is used”.

An AI tool is created by using the APIs from an AI provider such as OpenAI. Each time a user accesses the AI, the query is sent to the AI provider which returns the AI response. Each access incurs a charge.

AI is not a replacement for standard search. A keyword search will return all instances of those keywords in the titles and/or descriptions. AI will interpret the input from the user in light of the parameters with which it is programmed. This interpretation may or may not contain all of the keyword matches.

Creating the AI tool

An account and a secret token are created with openai.com. New accounts receive some free usage which expires in one month. The LangChain library is used to create a “vector store” from our source data. A web app is created to format the query from the user, process it according to the “vector store”, query the remote LLM, and display the results.

The application may contain the following parts. The “system message” is a message to the AI about what role it is taking in this exchange. The default “system message” is “You are a helpful assistant”. The “prompt template” helps limit what the prompt could contain. The LLM is the type of AI that will be accessed and varies in cost. The “vector store” is a local data file created from the source data. In this case the source data is the Meraki App catalog.

Links

- [OpenAI](#)
- [OpenAI Pricing](#)
- [OpenAI Playground](#)
- [LangChain](#)
- [Langchain for Beginners](#)
- [Building Apps with AI tools](#)
- [Recommender System](#)
- [Build a Recommender Tool](#)