

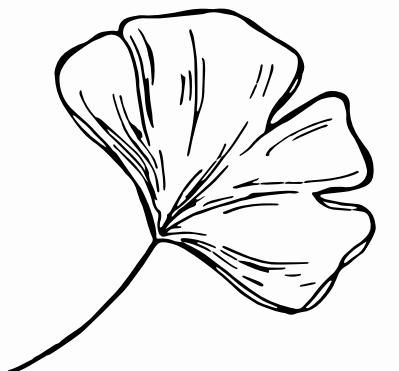


DERMASCAN

built using AIRIA

Presented by Tanishka Sam





WHAT IS IT?

An AI tool that helps people purchase skincare and makeup products best suited for their skin type and concerns by analyzing the ingredients of said product.

HOW IT WORKS?

The user inputs their skin type, concerns (dullness, acne prone, etc) and the ingredients in the product.

The agent analyzes every ingredient and returns the products which are beneficial, harmful and neutral to the user with a point wise summary suggesting if the user should actually purchase this product or not.



How was it made?

Made on Airia platform
AI model: GPT 4.1

Used variables as inputs for the AI.

An prompt was used to direct the AI into a more professional and helpful system

used the API key to implement this as a chat bot on my html website

**more on github with video and html link:
<https://github.com/kid-nie/DermaScan>**

Target Audience

Made this from personal experience.

Many products promise a lot of benefits from us using them but they might just weaken our skin barrier. To avoid damage to our skin health I made this AI application to help people who have the same concern/worries from trying new products.



AIRIA DEMO

The screenshot displays the Airia Platform interface, specifically the DermaScan project. The top navigation bar shows the URL `aria.ai`. The main workspace is divided into several sections:

- Left Panel (Variable Values):** Contains fields for "ingredients" (water, salicylic acid), "skin_type" (oily), "skin_conditions" (acne prone), and a "test" field.
- Middle Panel (Playground):** Shows a flowchart with an "Input" node connected to an "AI Model 1" node (GPT 4.1). The "AI Model 1" node has 1 segment(s) and includes a "Model" tab and a "Tools" tab.
- Right Panel (AI Model Configuration):** Details the configuration for "AI Model 1".
 - Model Context:** Includes the chat history (selected "Include the chat history").
 - Output:** Set to "Structured output".
 - Retries & Errors:** Set to "Retry on failure".

RESULTS

The screenshot shows the DermaScan interface with the title "DermaScan" and status "Saved a few seconds ago". The main area displays a flowchart titled "Ingredient Checker". The flowchart consists of three rounded rectangular nodes connected by dashed lines: an "Input" node at the top, an "AI Model 1" node in the middle containing "GPT 4.1 AI Model 1 1 segment(s)", and an "Output" node at the bottom. To the left of the flowchart, there is a sidebar with four icons: a plus sign (+), a star with a plus sign (★+), a minus sign (X), and a question mark (?). Below the sidebar, there is a section titled "Beneficial Ingredients:" with a bulleted list: "• Salicylic acid: A well-known BHA that helps to exfoliate the skin, unclog pores, and control acne, making it highly beneficial for oily, acne-prone skin." There are also sections for "Harmful Ingredients:" (listing "• None identified in the given list.") and "Neutral Ingredients:". At the bottom left, there is a "Variable Values" section with a dropdown menu showing "3 Variable Values" and an input field with placeholder text "Ask anything...". At the bottom right, there is a toolbar with various icons.

RESULTS

The screenshot displays a user interface for analyzing skincare ingredients. On the left, a sidebar contains icons for adding (+), marking as favorite (star), and deleting (X). Below these are sections for 'Variable Values' (3 items) and a text input field with placeholder 'Ask anything...'. A purple send button with a white arrow is at the bottom right of the input field.

Playground

• Water: Acts as a solvent and is neutral for all skin types.

Summary:

Total Points for Ingredient:

100%

Based on the ingredients provided, this product is excellent for oily, acne-prone skin and does not contain any harmful ingredients. It is a recommended choice.

⌚ 415 \$ 0.00160886 ⌚ 1,843ms
2/7/2026, 4:09:10 PM

View Logs

AI Model

AI Model 1

Model

Will be included in prompt context.

Include the chat history in the model call. Use previous chat messages on the model call.

OUTPUT

Structured output
Ask the model to return a structured JSON when possible.

RETRIES & ERRORS

Retry on failure

Automatically retry this when the model or network fails.

Input

GPT 4.1
AI Model 1
1 segment(s)

Output

AIRIA website demo

The screenshot shows a web browser window with a pink gradient background. In the center, there is a white modal window titled "DermaScan". The modal contains the following text:

Welcome to Dermascan! Please enter your skin type
and any concerns along with the product
ingredients. :)

Below the modal, the main page has the following text:

DermaScan
Scan your ingredients. Save your skin
Here to help you purchase the best products for your s
type.

At the bottom of the page, it says "Built for DDS AI Application Challenge 2026".



Thank You

