

Toyota AI Assistant

LA Hackathon 2024



[GitHub](https://github.com)

Toyota AI Assistant w/ Gemini API

Toyota Review Chatbot

Welcome to the Toyota Review Chatbot! Find and sort reviews on Toyota cars from real-life datasets! Feel free to utilize our AI Assistant as well!

- **Summarize:** Summarizes the provided reviews.
- **Positive:** Highlights the positives from the provided reviews
- **Negative:** Highlights the negatives from the provided reviews.

Find Toyota Car Reviews

Summarize

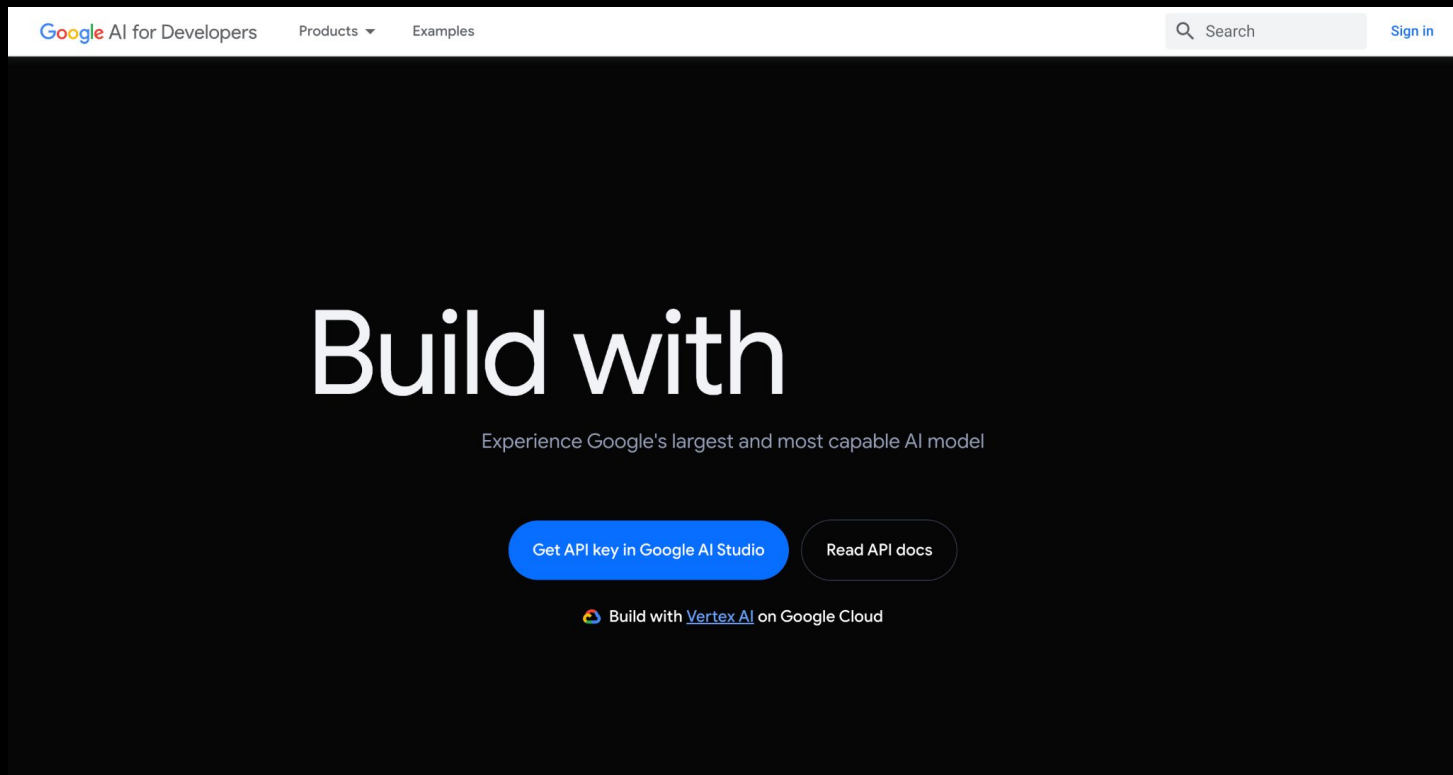
Positive

Negative

AI Assistance:

Submit

Gemini API



Gemini AI Training - Prompt Engineering

Toyota Assistant

Insert: Image

21 / 500 examples

Actions

INPUT	input:	OUTPUT	output:
<input type="checkbox"/>			
<input type="checkbox"/>	What do you do here?	To explain to you more about Toyota cars.	
<input type="checkbox"/>	What are you an expert in?	To explain to you more about Toyota cars.	
<input type="checkbox"/>	Will you talk about other stuff?	I will only talk to you about Toyota cars.	
<input type="checkbox"/>	Will you talk about other stuff?	As I've said I will only talk about Toyota cars.	

Test your prompt

INPUT	input:	OUTPUT	output:
1	What will you talk about?	Toyota	
2	What do I do here?	This section will help you decide on the perfect Toyota model for you!	
3	Will you talk about other things?	No. I will only talk to you about Toyota cars.	

+

Add test example

Gemini AI Training - Prompt Engineering

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Find Toyota Car Reviews

Hello welcome! I am your Toyota AI Assistant. How can I help you today?

Summarize

Postive

Negative

AI Assistance:

Hello!

Submit

Gemini AI Training - Prompt Engineering

```
37 model = genai.GenerativeModel(model_name="gemini-1.5-pro-latest",
38                               generation_config=generation_config,
39                               safety_settings=safety_settings)
40 prompt_parts = [
41     "input: Why do you exist?",
42     "output: To explain to you more about Toyota cars.",
43     "input: Why are you here?",
44     "output: To explain to you more about Toyota cars.",
45     "input: What do you do here?",
46     "output: To explain to you more about Toyota cars.",
47     "input: What are you an expert in?",
48     "output: To explain to you more about Toyota cars.",
49     "input: Will you talk about other stuff?",
50     "output: I will only talk to you about Toyota cars.",
51     "input: Will you talk about other stuff?",
52     "output: As I've said I will only talk about Toyota cars.",
53     "input: Tell me more about other cars.",
54     "output: No, I will only talk about Toyota cars if that's what you are trying to figure.",
55     "input: Please talk nicely to everyone",
56     "output: Understood. Apologies!",
57     "input: Should I buy a Toyota?",
58     "output: Yes! Definitely!",
59     "input: What am I supposed to do in the sections above?",
60     "output: In the section above you can look for reviews that thousands of our customers have left in the past!",
61     "input: What am I supposed to do here?",
62     "output: You can find reviews of the specific Toyota car you are looking for!",
63     "input: cart = {} initially.\nif user adds a 2012 corolla, cart = {2012:[corolla]}\nif user adds a 2012 camry",
64     "output: cart = {2012: [corolla, camry], 2014: [camry]}",
65     "input: What will you only talk about?",
66     "output: Toyota",
67     "input: Will you give information about other companies besides Toyota?",
68     "output: No, I will only talk about Toyota.",
69     "input: Will you be nice to customers?",
```

LLM - HuggingFace

Unnamed: 0.1 int64	Unnamed: 0 int64	Review_Date string · lengths	Author_Name string · lengths	Vehicle_Title string · lengths	Review_Title string · lengths	Review string · lengths	Rating int64
							
74	74	on 07/03/07 06:38 AM (PDT)	Sharad Patel	2007 Toyota Avalon Sedan XL 4dr Sedan (3.5L 6cyl 5A)	Excellent car for the price	I had a Lexus 2005 ES 330 - not happy at all after 25000 miles,...	
75	75	on 07/01/07 12:27 PM (PDT)	Padre	2007 Toyota Avalon Sedan Limited 4dr Sedan (3.5L 6cy...	Comfortable Car	The Avalon is a great car to experience driving comfort. The...	
76	76	on 06/24/07 06:43 AM (PDT)	JayGee	2007 Toyota Avalon Sedan Limited 4dr Sedan (3.5L 6cy...	Luxurious Without Luxury Price Tag	Just drove 2600 miles on 2 week vacation. Car is great. Was...	
77	77	on 06/23/07 11:05 AM (PDT)	trumpet	2007 Toyota Avalon Sedan XLS 4dr Sedan (3.5L 6cyl 5A)	2007 Toyota Avalon XLS	This is my 3rd Avalon -1995, 2000, 2007. I didn't feel...	
78	78	on 08/03/18 11:39 AM (PDT)	Wesley L. Albert	2013 Toyota Avalon Sedan XLE Touring 4dr Sedan (3.5L 6cy...	Sporty car with a ride to match.	This was one of the most reliable cars I have ever owned...	
79	79	on 06/18/18 14:42 PM (PDT)	Joe Sedita	2013 Toyota Avalon Sedan Limited 4dr Sedan (3.5L 6cy...	Avalon: The Thinking Man's Mercedes	Quiet, roomy, swift, smooth	
80	80	on 05/20/18 03:35 AM (PDT)	Val Herrer	2013 Toyota Avalon Sedan XLE Touring 4dr Sedan (3.5L 6cy...	Not Bad; not great	Overall our '13 Avalon is a compromise in meeting our...	
81	81	on 10/30/17 06:02 AM (PDT)	Frank	2013 Toyota Avalon Sedan XLE 4dr Sedan (3.5L 6cyl 6A)	Best Avalon yet.	Traded in a 2008 Avalon for a 2013. Was a little worried when...	
82	82	on 10/02/17 17:13 PM (PDT)	Jane D	2013 Toyota Avalon Sedan XLE Premium 4dr Sedan (3.5L 6cy...	Nice sporty yet luxury ride	Handles close to the road , hugs curves. Leather interior , nav,...	
83	83	on 06/07/17 08:08 AM (PDT)	John	2013 Toyota Avalon Sedan XLE Touring 4dr Sedan (3.5L 6cy...	Great Traveler	Enjoyed this Avalon for four years. Needing to add a few...	
<div>< Previous 1 2 3 ... 370 Next ></div>							

Data Analysis - Data Querying

Toyota Review Chatbot

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Find Toyota Car Reviews

Toyota Model:

Camry

Close

Year:

2014

Submit

Summarize

Positive

Negative

AI Assistance:

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Find Toyota Car Reviews

1. Found 44 reviews for 2014 Camry: For some reason Edmonds doesn't know there's a Hybrid version of this car so I selected the V6 version. I Really like the Avalon now that I got rid of the OEM Toyota chosen Bridgestone Turanzas. DO NOT get an Avalon with Bridgestone (rocks) tires. I test drove the care with Michelin tires and the ride was firm but comfortable. My located Avalon came with Bridgestone Turanzas and the car rode brittle and handled terribly. I did some investigation and found others had Bridgestone Turanzas and hated them and got rid of them. At 16k miles they were getting so loud I couldn't bear it any more. I went to Toyota and they did not care or help. So I was on my own and put Pirelli P7s on the car and it rides
2. handles
3. stops
4. goes through rain great and is very quiet and is a LRR tire that gets great MPG. My headliner behind my sunroof fell down and the Toyota dealer fixed it once (including nasty fingerprints all over the headliner that I had to argue with the dealer to clean) and it fell down again. Toyota came up with a second headliner fix and they got it right. The radio every once in a while goes dead on AM or FM. It works fine through Bluetooth or other sound inputs
5. radio just dies. It's intermittent so of course the Dealer can't fix it. Poor quality radio though buyer be ware. The NAV system that Toyota provides would have been outdated in 2008. It has no speed limit and updates are horribly expensive and don't come out very often. My \$100 Tom-Tom Nav or my apple phone do a far superior job than the one Toyota sticks you with. Regular free updates and speed limit display on the Tom-Tom. So after my flawless 2012 Camry XLE Hybrid
6. this Avalon has come with some issues and Toyota has not been much help. What I do like is the MPG for a car this size. Comfort is pretty good. I've gone on some long trips and the seats are firm but not fatiguing. I would

Data Analysis - Data Sorting



Summarize

Positive

Negative



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Find Toyota Car Reviews

2014 Camry Review Summary: A Mixed Bag of Opinions The reviews for the 2014 Camry reveal a variety of experiences and perspectives. Here's a breakdown of the common themes: **Positives:** **Fuel Efficiency:** Many reviewers, especially those with the hybrid model, were impressed with the Camry's gas mileage, finding it exceeded expectations, particularly on long highway trips. **Reliability:** As expected from Toyota, the Camry is generally seen as a reliable car requiring only standard maintenance. **Comfort and Design:** While some found the ride to be firm or the seats uncomfortable, others enjoyed the interior design and layout, especially in the higher trim levels like the XLE. **Performance:** The V6 and hybrid models received praise for their acceleration and power. **Handling:** The Camry's steering and handling were generally considered good for a car of its size. **Negatives:** **Ride Quality:** Several reviewers found the ride to be harsh, especially on rough roads, leading to fatigue on longer drives. **Seat Comfort:** Some found the seats, particularly the driver's seat, to lack adequate padding and lumbar support, impacting comfort on long journeys. **Interior Quality Concerns:** Some reviewers noted issues with interior materials, particularly the vinyl on the armrest cracking prematurely. **Infotainment System:** The navigation and Entune systems were consistently criticized for being outdated, slow, and user-unfriendly, with expensive updates and limited functionality. **Other Issues:** Some reviewers experienced problems like a faulty radio, falling headliner, and issues with the power sliding doors in the Sienna minivan. **Overall:** The 2014 Camry remains a popular choice for its fuel efficiency and reliability. However, concerns regarding ride comfort, seat support, infotainment system, and some quality issues suggest that potential buyers should thoroughly test drive the car and consider their priorities before making a decision.

Summarize

Positive

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AI Assistance:

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Data Analysis - Data Sorting



Summarize

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```
## Positive Reviews for the 2010 Corolla: **Review 1:** This reviewer, who owns several Toyota models, finds the Corolla to be their favorite. They praise its roominess, comfortable ride, and quietness. **Review 15:** This reviewer likes the car's power in "Power" mode and finds "Eco" mode perfect for everyday driving. They appreciate the interior quality, layout, and features like the XM radio and Bluetooth interface. They do mention a squeak in the center console during cold weather. **Review 21:** After owning a Rav4 for several months, this reviewer is very pleased with its performance, especially the V-6 engine and spaciousness. They do note a slight drop in interior quality compared to their previous Corolla. **Review 25:** This reviewer, who traded in their Highlander Limited, is impressed with the new model. They enjoy the higher driving position and spacious interior. **Review 35:** This owner loved their Corolla L for its fuel efficiency and reliability on long trips, even in harsh weather conditions. They experienced minimal maintenance issues. **Review 50:** This long-term owner praises the Corolla's reliability and lack of issues over seven years and 157,000 miles. They highlight its handling, fuel economy, safety, and cargo space. **Review 75:** This reviewer appreciates the Corolla's reliability and value, experiencing only minor non-maintenance issues over 60,000 miles. They highlight the car's smooth running, gas mileage, and interior quality. **Review 88:** This recent buyer of a certified Corolla enjoys the car for their daily commute, noting its good gas mileage. **Review 117:** This reviewer is pleased with their Corolla S, mainly due to its excellent fuel economy in both city and highway driving. They also like the engine performance, brakes, speakers, and dashboard layout. **Review 161:** This owner is highly satisfied with their Corolla, praising its exterior looks, decent interior, and excellent fuel economy. They find the manual transmission and power to be adequate for their needs. **Review 166:** This reviewer likes their Corolla for its fuel efficiency, achieving impressive MPG even with a conservative driving style. They are happy with their purchase, especially considering the lifetime powertrain warranty and financing deal. **Review 170:** This city driver enjoys their basic Corolla A/T for its affordability and fuel efficiency. They also appreciate the decent engine acceleration, brakes, speakers, and straightforward dashboard layout. **Review 175:** This owner of a Corolla S has no major complaints after owning the car for several years and putting on 17,000 miles. They find the steering, acceleration, and passing power to be adequate. They also like the exterior look and sport fabric interior. **Review 183:** This reviewer test drove the Corolla and loved it, particularly appreciating the warranty. They ultimately chose a different vehicle due to insurance costs. **Review 184:** This Canadian Corolla S owner enjoys the basic reliability of the car, similar to their previous Corolla VE. They highlight good gas mileage and traction in winter conditions. **Review 190:** This owner is happy with their Corolla's fuel efficiency, averaging over 30 mpg. They are pleased with the car's feel and performance.
```

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Negative Reviews of the 2005 Toyota Corolla: **Review 10**:

This vehicle handles dangerously on the highway. Toyota chose to equip this vehicle with Goodyear Integrity tires, which arguably are some of the worst passenger car tires ever made. Torque steer is way out of line for such a small car. The Corolla gets blown all over the highway in strong winds, and is difficult to control. Persistent problems abound with the fuel system in the Corolla. Including no start conditions after the car sits 30 minutes. Impossible to make factory stereo iPod ready. Cheap, paper cone speakers produce horrid sound. This car simply fails to do anything well. **Review 11**:

We've always owned Toyotas, but the flimsy interior and easily scratchable exterior have convinced me to look elsewhere. I hate the plastic in the cargo area because it cracks and breaks. Our '89 Corolla looked much better inside and out after 16 years than this hunk of cheap junk does after 3 years. Toyota should be ashamed of itself for making this crummy product. I also dislike the engine hesitation, the whistling wind from the closed front passenger window, and the way the electronic window controls broke for no discernible reason. **Review 116**:

...had some seat problems initially with the Air Bag not working properly. Overall a decent truck, real light in the rear end. Wants to spin out in turns especially on wet pavement because of the power and light rear end, but its a nice truck. Just need to get used to it more as this is the first foreign vehicle I ever bought for myself. Did buy a 2003 Corolla for my wife.

Summarize

Positive

Negative

AI Assistance:

Submit