

#### Gemini Al Hackathon

## **FinPAL**

Smart Finance, Smarter Choices



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## **Problems statement**

Inefficient financial tools and fragmented platforms hinder comprehensive management, leading to missed savings, investments, and informed decision-making.



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## **Solution Statement**

FinPAL addresses these challenges by offering a comprehensive, user-centric financial management platform powered by innovative features and integrations.



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## **Solution Statement**

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### Challenge

- Integration Complexity
- User Adoption & Engagement
- Lack of Real-time Feedback & Insights

## **FinPAL**



### Solution

- Efficient User Experience
- User Practicality
- Comprehensive Financial Insights



### **Core Features**



01

02

03

04

**Trulens Eval LLM Monitoring** 

Robust LLM monitoring system providing automated feedback.

### **Telegram Integration**

To ensure effective communication right in the users pocket. **Practical Touch** 

Ability to save transaction receipts via chat or photo.

### **Effortless Insights**

Generate transaction charts and query data for comprehensive financial insights.



## **Vision Statement**

lab lab

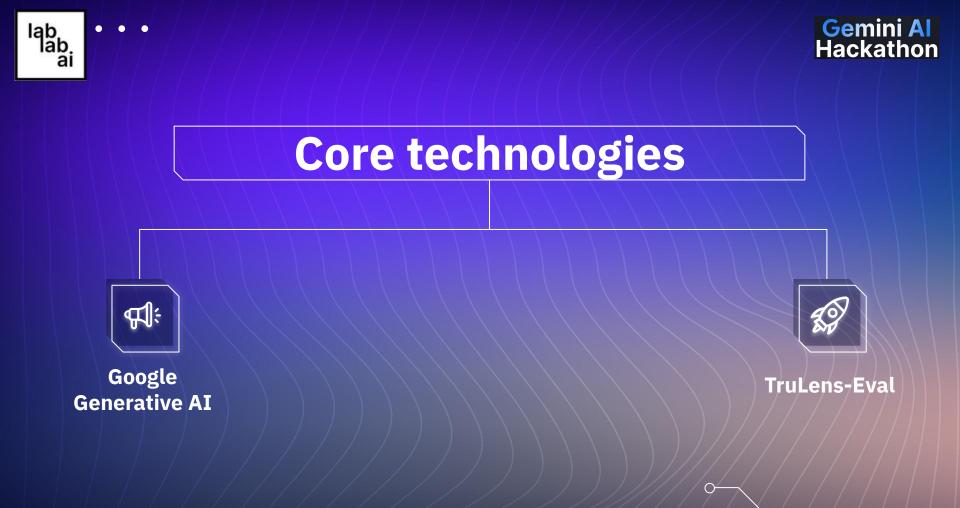
a

statistics

004

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Empowering everyone with a dedicated financial ally, ensuring every step towards financial milestones becomes intuitive and rewarding.







user

nd build for

## Business strategy

Step 3	<b>Market</b>	Offer FinPAL to a global audience
Step 2	Monetization	Build a business revenue model based on feedback with more services
Step 1	Build the prototy	pe Build and enhance the web platform a mobile devices





## **Product demo**



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I'm finFAL, your financial helper. I can analyze your financial data and help you with your financial goals. You can start by uploading your financial data. I can analyze your spending, income, help you save money and attain your financial goal. I can also generate graphs and help you visualize your financial data.

> Tearned £400 today for a software gig and spent €70 on food

The income from the software gip payment (€400) and your food expense (€70) have been successfully recorded. If you need any further assistance or if there's anything else I can help with, feel free to let me know!

How can I save the rest? -----

-0

To save the rest of year income effectively, if a important to consider a few strategies:

Message

## **Trulens eval progress**

#### **Multiple Applications Selected**

Records Feedback Functions

Latency (Seconds)	Total Cost (USD)	Total Tokens (#)	User Input	Response	conciseness_with_cot_reas	helpfulness_with_cot_reas
8	0.00133	1279	"cool"	"Absolutely! If you have any		
6	0.0013	1264	"hey"	"Hello! How can I assist you		0.
4	0.001183	1145	"aaa"	"Hello! It seems like you're t	0.9	0
4	0.000754	718	"what was the first message	"The first message you sent	0	0
5	0.000851	810	"great"	"I'm glad you think so! If the	0.9	0
6	0.000771	769	"count with me 1"	"2"	0.2	C
8	0.000857	806	"how can i budget"	"It seems like you might hav	0	C
5	0.000952	816	"count with me"	"Thank you for the kind wor	0.7	C
6	0.000815	771	"what was my lasy message"	"It looks like you haven't ma…	0.9	C
4	0.000821	760	"what was my lasy message"	"Hello! How can I assist you	0.9	(
3	0.000794	733	"what was my last message"	"Hello! How can I assist you	0.9	(
10	0.000736	705	"finpal"	"Hello! How can I assist you	0.9	(
8	0.002197	2078	"okay"	"The transaction from Walm	0.9	
31	0.002577	2501	"hey"	"The transaction from Game	0.9	(
18	0.00667	6383	null	"The transaction from Walm	0	(
3	0.002402	2317	null	"The transaction from Game	0.9	(
33	0.00117	1142	"hey"	"How can I assist you today?	0	
23	0.006247	5982	"hey"	"Here is a summary of your f	0.9	(
24	0.003942	3819	null	"The transaction from Main	0	(
19	0.003916	3820	null	"The transaction for the pur	0.9	
29	0.002931	2767	null	"The transaction for the pur	0	
4	0.002396	2264	null	"The transaction data for yo	0	
6	0.000848	814	"aaa"	"It seems like there might be	0.9	
5	0.000868	826	"aaa"	"It looks like there might hav	0.9	(
5	0.000888	844	"hey"	"Hello! How can I assist you		

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4	0.000754	718	"what was the first message	"The first message you sent	0	
5	0.000851	810	"great"	"I'm glad you think so! If the	0.9	
6	0.000771	769	"count with me 1"	"2"	0.2	
8	0.000857	806	"how can i budget"	"It seems like you might hav	0	
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3	0.000794	733	"what was my last message	"He ol How see Lassister u	0.9	
10	0.000736	705	"finpal"	"He lo! How care as as you	0.9	
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24	0.003942	3819	null	"The transaction from Main	0	
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29	0.002931	2767	null	"The transaction for the pur	0	
4	0.002396		man	The transaction data for yo	0	
6	0.000848		inhioveine	It seen like there might be	0.9	
5	0.000868	826	"aaa"	"It looks like there might hav	0.9	

relevance = None	re	lev	ance	= 1	lone
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No feedback details.

helpfulr	ess_with_cot_reasons = 0.9		
	text	result	reason
0	It looks like you haven't made a specific request yet. If you need assistance with anyth	0.9	Criteria: Helpful, insightful, and appropriate Supporting Evidence: The submission o

# coherence\_with\_cot\_reasons = 0.9 kext result reason ltooks like you haven't made a specific request yet. If you need assistance with anyt 0.9 Criteria: Coherence, structure, and organization Supporting Evidence: The submission

ance_with_cot_r	reasons=0.2 It hel	.ps t	to analyze the response and input	
prompt re	response	result	reason	
0 what was It	It looks like you haven't made a specific request yet. If you need assistance with anyt	0.2	Criteria: Relevance to the entire prompt Supporting Evidence: The response does no	

#### Timeline

			Criteria: Relevance to the entire prompt	
Method	Duration	Timeline	Supporting Evidence: The response does not directly address the prompt of "what was my last message." Instead, it provides a general response about offering assistance with managing finances and related tasks.	
✓ All calls Select.App	5904 ms			
TruWrapperAppcall Select.App.app	5904 ms			

#### App[Select.App]

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Input	Response
Input [Select.RecordInput] ^^	Response [ Select.RecordOutput ]         "The first message you sent me was "count with me 1." If there's anything specific you'd like to discuss or ask about, feel free to let me know!"

#### Feedback Metadata

#### Good feedback should get better result instead of 0.0 This happens occasionally

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conciseness\_with\_cot\_reasons = 0

	text	result	reason
0	The first message you sent me was "count with me 1." If there's anything specific you		Criteria: Conciseness Supporting Evidence: The submission is straight to the point and does not include any unnecessary information. It provides a clear and concise response to the initial message.

helpfulness\_with\_cot\_reasons = 0.9

#### Not all good ...

But some are good, and we rewrote our system prompt to incorporate the feedback, and add more persona.

Latency (Seconds)	Total Cost (USD)	Total Tokens (#)	User Input	Response
8	0.00133	1279	"cool"	"Absolutely! If you have any
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5	0.000851	810	"great"	"I'm glad you think so! If the
6	0.000771	769	"count with me 1"	"2"
Interesting find	0.000857	806	"how can i budget"	"It seems like you might hav
5	0.000952	816	"count with me"	"Thank you for the kind wor
6	0.000815	771	"what was my lasy message"	"It looks like you haven't ma.
Time and total	0.000821	760	"what was my lasy message"	"Hello! How can I assist you
Time and total token are not	0.000794	733	"what was my last message"	"Hello! How can I assist you
token are not	0.000736	705	"finpal"	"Hello! How can I assist you
correlated	0.002197	2078	"okay"	"The transaction from Walm
31	0.002577	2501	"hey"	"The transaction from Game
18	0.00667	6383	null	"The transaction from Walm
3	0.002402	2317	null	"The transaction from Game
33	0.00117	1142	"hey"	"How can I assist you today?
23	0.006247	5982	"hey"	"Here is a summary of your f
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Latency (Seconds)	Total Tokens (#)
8	1279
6	1264
4	1145
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5	810
6	769
8	806
5	816
6	771
4	760
3	733
10	705
8	2078
31	2501
18	6383
3	2317
33	1142
23	5982
24	3819
19	3820
29	2767
4	2264
6	814
5	826
5	844

Input[Select.RecordInput]	Response [ Select.RecordOutput ]	
ааа	Hello! It seems like you're trying to get my attention. How can I assist you today? If there's anything specific on your mind, feel free to share it with me.	

#### Feedback Metadata

ess_with_cot_reasons = 0.9		
text	result	↑ reason
Hellol It seems like you're trying to get my attention. How can I assist you today? If th	0.9	Criteria: Conciseness Supporting Evidence: The submission is straight to the point a

relevance = None	
No feedback details.	

helpfuli	ess_with_cot_reasons = 0.9			
	text	result	reason	
0	Hello! It seems like you're trying to get my attention. How can I assist you today? If th	0.9	Criteria: Helpfulness, Insightfulness, Appropriateness Supporting Evidence: The sub-	

text result reason
Hellol It seems like you're trying to get my attention. How can I assist you today? If th 0.9 Criteria: Coherence, structure, and organization Supporting Evidence: The submission

rel	evanc	ce_with_co	t_reasons = 1			
		prompt	response	result	reason	
	0	aaa	Hello! It seems like you're trying to get my attention. How can I assist you today? If th	1.0	Criteria: Relevance to the entire prompt Supporting Evidence: The response directly	





### Roadmap

- Better performance and accuracy, more financial analysis, transaction data and charts on dashboard.
- user feedback integration from telegram to trulens-human feedback
- Integration of optional voice to text and text to voice modality.
- Integration with financial aggregator to provide realtime insight to your transactions
- Goal setting, budgeting and monitoring of financial plan.
- Integration with marketplace to enable product query, price and reviews comparison, discount / coupon search and purchase.
- Integration with takeout food services like foodpanda, grab etc. To enable seamless food recommendations, ordering, discount search all from chat interface.
- Automated recurring grocery planning and purchase.
- Integration with financial products and investment providers to bring actionable investment recommendations.





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### **Meet our team**

### Sandra Ashipala

Software Engineer -Frontend

### Viky Wahjoedin

Indonesian Frontend Developer • Building experience, open to opportunities







# Thanks!

