

Finwise

Al Powered Financial Guidance









Table of contents

O1 Problem

O2 Finwise Solution

O3 Product Features

04 Demo









Understanding The Challenge



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Widespread Lack of Financial Knowledge:

- 78% of U.S. adults lack confidence in financial decision-making."
- Globally, only 33% understand basic concepts like interest rates and inflation.

Consequences of Financial Illiteracy:

- Poor financial literacy leads to higher personal debt and lower savings rates.
- Economic vulnerability affects individual well-being and broader societal stability.









Your Personal Al-Powered Financial Assistant





Personalized Financial Guidance:

FinWise uses advanced AI to provide real-time, personalized financial advice tailored to each user's unique situation and goals.

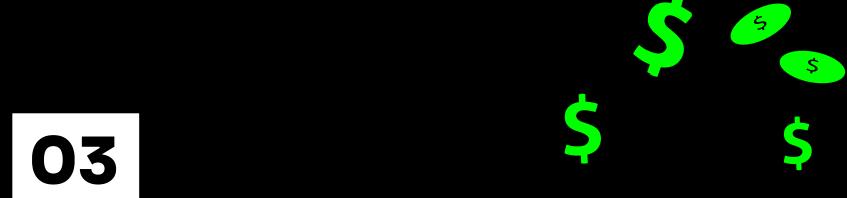
24/7 Accessibility:

 Accessible anytime and anywhere, FinWise offers users the convenience of a AI financial advisor in their pocket

Comprehensive Financial Services:

From basic budgeting to advanced investment strategies, FinWise covers all aspects of personal finance.





Product Features







Core Features of Finwise







Expense Insights and Savings Recommendations:

Gain deep insights into your spending patterns with our Al-driven Expense Insights tool. Upload your bank statements, and let Finwise categorize and analyze your transactions.



Portfolio Tracker and Investment Insights:

Manage and optimize your investments with Finwise's Portfolio Tracker. Upload your investment data, and explore detailed analytics on your asset distribution and performance.



Finwise Financial Literacy Chatbot:

Interact with our Financial
Literacy Chatbot for instant,
conversational guidance on a
wide range of financial
topics—from basic budgeting
to complex investment
decisions.



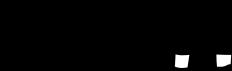


Product Demo













🗎 Home

Finwise Chat

🐔 Expense Insight And Savings

Portfolio Tracker And Investment Ins...

HomePage







Welcome to Finwise 🔀

Finwise is your personalized financial assistant, designed to empower you in achieving financial well-being.

How Finwise Can Help You:

- 1. Financial Empowerment: Gain control over your finances with personalized guidance tailored to your needs and goals.
- 2. Simplified Financial Management: Manage your finances effortlessly with features like budgeting, expense tracking, and investment analysis.
- 3. Personalized Recommendations: Receive tailored recommendations based on your financial data and preferences, helping you make informed decisions.
- 4. Comprehensive Financial Insights: Gain valuable insights into your spending habits, saving patterns, and investment performance to improve your financial awareness.
- 5. Continuous Support and Guidance: Get 24/7 support from our chatbot and access resources to enhance your financial literacy and decision-making skills.
- 6. Data Security and Privacy: Rest assured that your financial information is secure and private, with robust encryption and compliance measures in place.

How to Use Finwise:

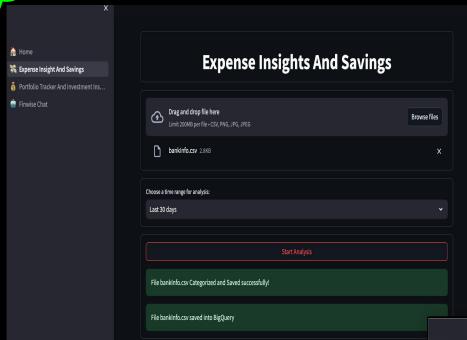
- 1. Explore different features using the sidebar navigation.
- 2. Upload your financial statements or input your financial goals.

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Expense Insights and Saving Recommendations







Introduction:

Provide users users with actionable insights into their financial expenses.

How It Works:

Users upload their financial data in CSV format, which the system analyzes to categorize expenses and generate visual reports.

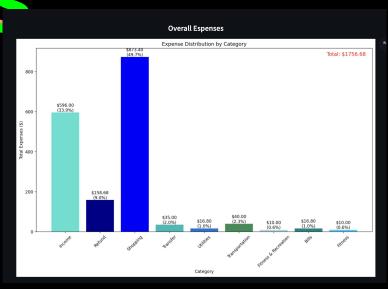
Primary Goal:

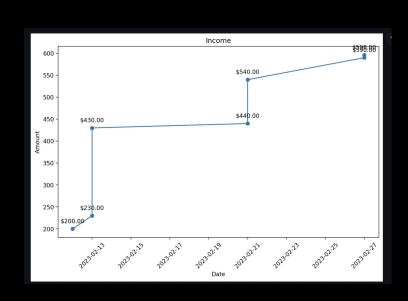
help users understand their spending patterns, identify areas for optimization, and make informed financial decisions



Expense Insights and Saving Recommendations









Expense Insights and Saving Recommendations







APIs Used:

- Google Cloud BigQuery: Data storage and complex queries.
- Gemini Pro API: Intelligent response generation.

Technical Enhancements:

- Cleaned data from ai for better processing

Challenges Faced:

- Inconsistent Al output

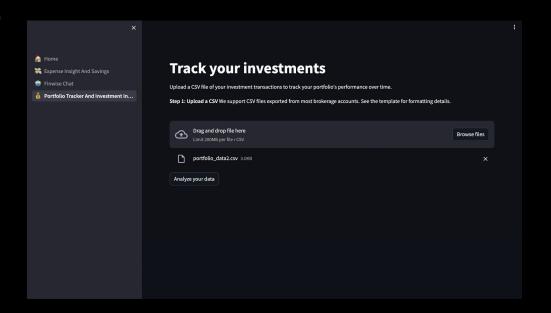






Overview of the FinWise Portfolio Tracker





Introduction:

The Portfolio Tracker is an advanced feature within FinWise designed to give users comprehensive insights into their investment portfolios.

How It Works:

Users upload their investment CSV files, which the system processes to display categorized financial data and visual insights.

Primary Goal:

To enable users to understand and optimize their investment distributions and returns effectively.

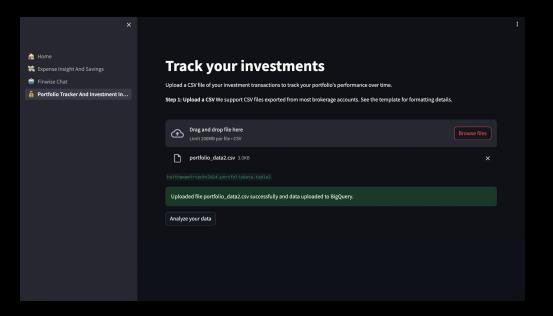






Technical Components and Data Flow





File Upload and BigQuery Integration:
Uploaded CSV files are temporarily
stored, then parsed into a DataFrame,
which is subsequently uploaded to
Google BigQuery for secure, scalable
storage and complex query execution.

Data Processing:

BigQuery processes the data, running SQL queries to aggregate investment amounts by category, preparing the data for analysis and visualization.

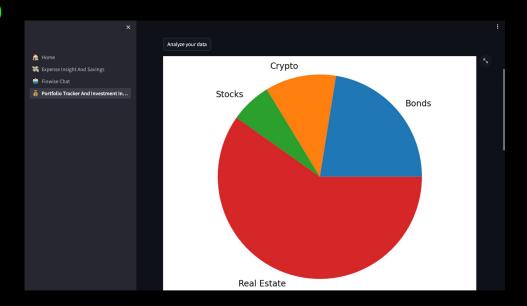




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Data Analysis and Visualization





Analysis Techniques:

The system uses SQL queries to generate summaries of investment categories and total investments, which feed into our AI model for further analysis.

Visualization Tools:

Data visualized using matplotlib to create pie charts of investment distribution, helping users visually assess their portfolio balance.

User Interaction:

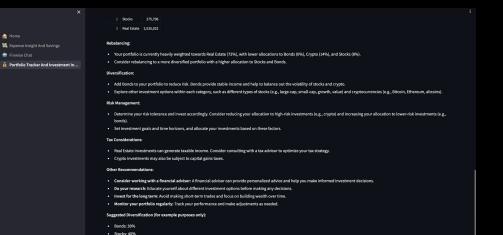
Users can interact with their data through dynamic charts and receive customized investment recommendations based on their portfolio analysis.

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Leveraging APIs for Enhanced Functionality



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Download Al Response as Text File

Real Estate: 20%
 Crypto: 10%

APIs Used:

Google BigQuery for data storage and somplex queries.

Google Generative AI for generating investment insights based on the aggregated data.

Technical Enhancements:

Continuous updates to AI models to improve the quality of financial advice based on user feedback and new data trends.

Challenge Faced:

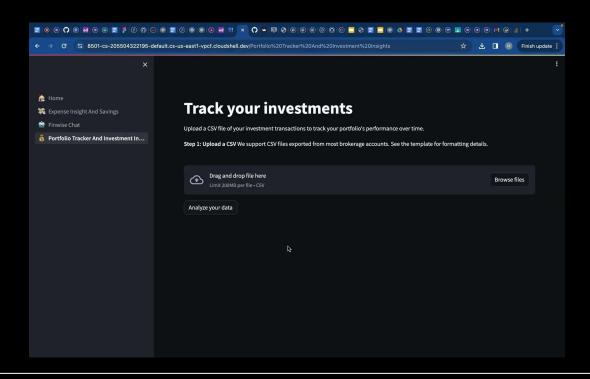
A significant challenge encountered in the development of the FinWise Portfolio Tracker was the AI model occasionally generating inaccurate insights. Despite being fed structured and categorized financial data, the model would sometimes return incorrect responses.







Live Demo





Chat with Finwise



Enter your prompt:	
during what times do i spend the most money?	Press Enter to apply
Select your preferred tone or type of voice:	
Professional and Business-like	~
Submit	
Download AI Response as Text File	
Al Response: Based on the provided data, it is not possible to determine the exact times when you spend the most money. The various types of expenses such as ATM withdrawals, purchases, utility bill payments, and income, but it does not provide any i about the specific hours of the day or night when these transactions occur.	
User Prompt: during what times do i spend the most monet?	

Download Audio

You can listen too the response:



APIs Used:

- Google Cloud BigQuery: Data storage and complex queries.
- Google Cloud Text-to-Speech API: Text-to-audio conversion.
- Gemini Pro API: Intelligent response generation.

Technical Enhancements:

- Continuous Integration: Al model updates based on user feedback and data trends.

Challenges Faced:

- Al Accuracy: Ensuring precise insights from structured financial data.

Project Contribution:

- Developed chatbot functionality.
- Enhanced responsiveness and personalized advice.
- Leveraged Gemini Pro API for intelligent responses.



Market size and Growth Potential





\$1.3 B

The global financial wellness platform market is expected to grow fro



\$2.5 B

To \$2.5 billion by 2025, at a compound annua growth rate of over 15%.















Target Audience and Demographics:

FinWise is designed for a broad audience ranging from young adults just starting their financial journeys to seasoned investors looking for optimization.



Competitive Landscape:

While the market contains several established players, FinWise differentiates itself through personalization, Al-driven insights, and a user-friendly interface.





Meet the Team





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Thanks









