

Activity 1

SMART-RANK InvestmentTech Platform

Creating an account

Strengths –

The login and account creation process was seamless.

Needs Improvement –

1. The password requirements should be displayed before trying out one.
2. If possible, implement the password checking functionality which ticks off each time a requirement is satisfied. It makes it faster for someone to fill the requirements.
3. Checking if you are human or bot is an additional feature that can be added.

First look

Strengths –

Overall design is compact with a dark themed modern layout with most of the features labelled.

Needs Improvement –

1. A basic tutorial would help in locating the useful features of the platform for a faster experience.
2. Since its compact, the interface is not intuitive and requires some time to properly go through some of the features. Consider the ability to expand the size of some features and collapse them to
3. The text font could be bigger for better readability.

UI/UX design

Strengths –

1. Modern, dark themed with clear minimalist style labelling all the sections (Portfolio Settings, Asset information etc)
2. Table is designed well enough to handle the colour contrast of the score.
3. The info button near each portfolio setting was helpful in identifying its use.

Needs Improvement –

1. With over 100 rows in each index, the table size feels small, it would help if it were bigger.

Portfolio Settings

Needs Improvement –

1. The platform feels laggy and slow when a value change is applied. It takes close to 5 seconds for any value change.
2. Allow custom input for each data value instead of increments of 0.2
3. An option to save a certain preset of values would be very to recall a preferred setting.
4. The investment date section could have three different options for day, month, and year each. It makes it faster than scrolling through lots of dates to get to the previous year or before that.
5. An option to save a certain preset of values would be very helpful if and when to refer back to a certain set of values.
6. More index options could be added.

Data Table

Strengths –

1. The table has tons of customizing abilities e.g. sorting values, rearranging the tables, excluding certain values etc.

Needs Improvement –

1. An option to export the data in CSV/Excel could be added.
2. An explanation for each feature in the table and what it represents would make understanding the data easier.

Portfolio

Needs Improvement –

1. Better visualisation in pie charts or bar charts to show the sector allocation or scores of the assets would help in focusing areas with high risk.

Activity 2

altFINS Crypto Analytics Platform

First Look

Strengths –

1. The colour theme look pleasing with a modern dark themed design.
2. All the sections were properly labelled with an appropriate font size and contrast.
3. There is no performance lag in platform and feels seamless.
4. The AI copilot is nice addition to help users navigate the platform and seek short concise summaries regarding a trade or filter through the currencies.

Overview Page

Needs Improvement –

1. This supposed to show a short summary of the assets a customer/client is holding rather about the platform. It should categories under the about section or a new info section.

Graphs

Strengths –

1. The graphs have a lot of customisation and different can represented in different themes as well.
2. The market highlights section provides a short summary of the general trend of the cryptocurrencies with last price, % change and the pattern.

Research Hub

Strengths –

1. A section dedicated to crypto related news is a very helpful feature in forecasting the behaviour of the graphs.

Crypto Education

Strengths –

Tons of materials have been provided for a user to get familiar with the platform and how cryptocurrency function

Security

Strengths –

API's have been provided so that the trading process can be automated through a trading bot.

Needs Improvement –

1. Two factor authentication 2FA was not a mandatory on any option at all for the login.

Upgrade plans

Strengths –

1. The free version of the platform has a sufficient amount of features like the 3 alert rules, trading courses for beginners and custom filters etc.

Activity 3

Q. In your view and based on the article provided, do you think "AI Agents" can replace Financial Analyst roles within an Investment Bank?

Ans. It is unlikely that AI agents like LLM's (GPT 4) can replace financial analysts within in an investment bank. At most they can augment whatever task is assigned to them. The act as an assistant made to enhance human capabilities. According to the article, the performance shown by the AI agents in this case GPT-4 is good in some of the instances it surpasses humans.

The LLM when trying to simulate chain-of-thought (CoT) prompts which are meant to mimic human reasoning are achieve an accuracy of 60% and without CoT, it achieves 52% which is similar to to narrow focus model like ANN.

The study shows that AI models excel at highly complex tasks like trend calculation, ca especially which humans find hard. Addition information like texts based on the industry trends, economic factors causes the performance to suffer. Humans performed better circumstances the involved in small loss making firms due to their access of soft information

AI will be more like an assistant automating calculative /quantitative tasks since they may lack transparency or hallucinate when handling soft information. Human financial analysts will shift their focus to more nuance areas of the financial decision that need a human touch.