

Real Time Risk Management

Team Name: CityHackers



Meet the Team



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Problem Statement & Proposed Solution

Problem:

Current risk management tools often lack the <u>narrative context</u> required to comprehensively understand emerging risks and provide <u>insights</u>.

Impacts:

Investors may not fully understand the risk involved behind the investments, and without due diligence it may result in large sums of money lost.

Target Audience:

Financial professionals doing risk analysis of the stock market

Solution:

Website which transforms <u>market data</u> <u>into informative narrative risk insights</u> to equip financial professionals with actionable insights, empowering them to <u>proactively manage risks</u>.



Technologies Used







Tech Stack





APIs







Functionalities of Solution



Stock Forecast -Long Short-Term Memory



Sentiment Analysis -Natural Language Processing





Insights Summarisation -Generative Al



DEMO



Future Enhancements

- More blue chip stocks from S&P 500 can be analysed
- Customisation and alerts: allows users to customise risk profiles and set areas tailored to their needs
- Predictive analytics: predictive models that take into account historical data and external factors to anticipate trends and potential risks
- Interactive data visualisation: explore data and insights in a more intuitive manner
- Chatbot: more curated and personalised response to users' area of interest



Conclusion

- Enhanced risk awareness: stay ahead of market fluctuations and make informed decisions to protect their portfolios
- Actionable insights: financial professionals can use them to adjust their investment strategies
- **Time** efficient: summarisation saves time for professionals to go through vast amount of news that can be spent on strategic analysis and decision-making
- Narrative context: adds depth and clarity to risk assessments for clearer understanding of the reasons behind market movements



THANK YOU

Any Questions?



References

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- https://medium.datadriveninvestor.com/sentiment-analysis-of-stocks-from-financial-news-using-python-82ebdcefb638
- https://github.com/akash-ranjan8/SENTIMENT ANALYSIS OF STOCK NEWS

