

Team Andromeda

# ARROW

Redefine the stock market game.

Our Product

# Problems of the modern stock market

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In today's everchanging world, stock's and equity play a large role. There are hundreds of stock/equity websites/apps readily available on the market.

This is where we differentiate ourselves from all the competition.

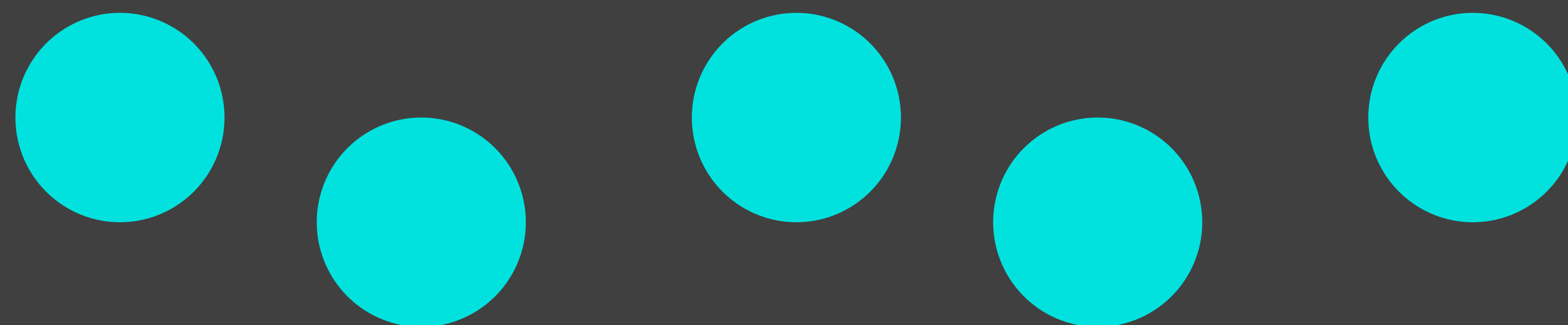
Our Website/App duo is unique in this market as we have Simple UI/UX, beautifully designed, hand crafted, simplistic solution to improving the accessibility of stock & equity market. It's revolutionary for the equity market which was restricted to the well educated, the rich of the society.



# Aim

One of our main focuses with product is to make stock/equity simple, with a clean UI. There exist many websites with cluttered, filled, confusing interfaces. It makes it very difficult for a beginner/newcomer to understand. There is a lot confusing information that gets thrown at you, if try to learn about equity/stocks.

There is very little clear information available about what are stocks, how to use them effectively, how to use equity to save/ invest money to compound it.





# Accessible



Our application is designed in such a way to make it much more accessible than any other websites/apps. Our product is very simple with a beautiful user interface that makes it very simple for even new comers to understand how the platform works. Our product is clean, with a great userflow

# Educational

Our product tries to teach its users, what are stocks, how to use them in a strategic way, as a tool to save money starting from as low as rs.1. We are creating videos and other tutorials that are simple, easy to understand, but are informational.

Our learning solution is designed in such a way that enables people from all walks of life, especially from the lower echelon of society. It provides learning materials in more than ten regional languages such as Hindi, Tamil, Telugu.

# Accessibility

This allows us to reach more than 80% of India's population which has access to internet, mobile phones. There are no educational linguistic, or financial barriers to use our product to save money, manage expenditures and invest it.

The conversion of our material involves using multiple translational APIs to get the best possible translation even users who are not proficient in English can still use our app and gain the benefits from it.

# S2T & T2S

A major inspiration for this project was to make the equities more accessible. So to achieve that we have added video tutorials which explain in very simple language the basic terminology, the working process and the benefits associated with this form of investment. There will be audio and subtitles in all regional languages to not being fluent in English won't be a limiting factor for anyone.

# Expenditure Tracking

One of the major salient features of our product is its expenditure tracking algorithm which allows us to recommend the best possible

Expenditure tracking will allow user to input the daily expenditure and in accordance with the given parameters of the.

If the user stays within the limit of the parameters, the app will display encouragement messages that should encourage the users to save more.



# Machine Learning

In order to predict the proper expenditure, our product has been developed over LSTM (Long Short Term Memory) algorithm where it trains with the previous stock value (from 1-1-2010 to the day before today). So in our product, we are training on tensor flow with 60 consequent values of the training data and the target of the value just after the 60 values. The training process has gone for 50 iterations with batch\_size=32 and gives an accuracy of 97%.