

CPSC 547 Project Pitch



# Visualizing Cryptocurrency Trends

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# Motivation

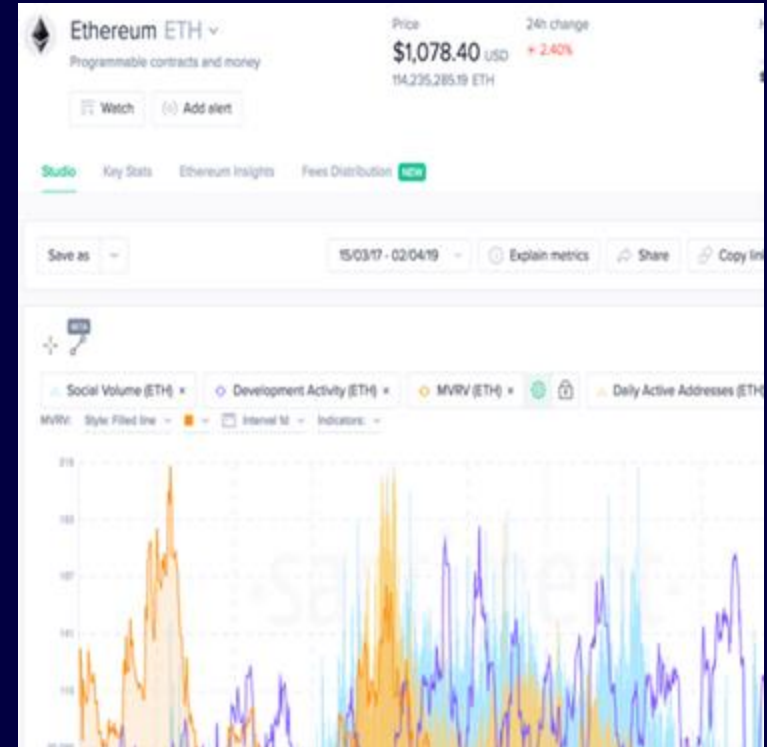
- Blockchain is gaining popularity.  
*set to revolutionize industries*
- People are moving towards cryptocurrencies from traditional currencies.  
*due to its decentralized nature*  
*Confidentiality & security*  
*security grows through time & value*



continued.....

- Hence, people investing in cryptocurrencies need reliable predictions to be able to make smart and better choices.

# Existing Visualizations....





# PROBLEM

- Existing datasets and visualizations cannot accurately predict the cryptocurrency values.
- The Major problems with price prediction are that they lack analytical support to back up their claims.



## Solution/Goal of the Project.....

- We can collect historical data from Coingecko API ,store in GridDB and visualize using python script.
- For value predictions, we can use Twitter API and python Library “Tweepy” to collect and store tweets involving Bitcoin or Ethereum.



# Solution/Goal of the Project

- Then, we can analyze the twitter data to create a sentiment score by day and compare to price changes of that day to determine the relation between twitter sentiment and cryptocurrency price changes.
- Then , we will combine historical & Predicted data visualizations into one to compare the prices and use of different digital currencies.

A vertical decorative bar on the left side of the slide. It features a green Bitcoin logo (a stylized 'B' with two vertical lines) on a dark blue background. The background also includes a grid pattern and several glowing blue and green circular lines, suggesting a technical or digital theme.

# Technologies to be used..

- OS :Ubuntu
- Python 3.6 or higher versions
- GridDB client & Server
- GridDB Python client
- Twitter API





Looking for Group Members.....

Thank You