***Project Report I***

***On***

**EDA OF CRYPTOCURRENCY AND STOCKS**

*Submitted in the partial fulfilment for the award of the degree of*

## **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE & ENGINEERING(BDA)**

**GROUP MEMBERS**

|  |  |  |  |
| --- | --- | --- | --- |
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**UNDER SUPERVISION OF**

Mr. Rahul Rastogi (E9862)

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CHANDIGARH UNIVERSITY, GHARUAN**

**June 2022**

**OBJECTIVE**

The main objective of our project “EDA OF CRYPTOCURRENCIES & STOCKS” is to make a Web Application which can do price prediction and give detailed overviews of cryptocurrencies and stocks with the help of Exploratory Data Analysis and display it to users in the most interactive and simplest way possible. The main purpose of our project is to make things easier for the investors whether beginners or experts by providing them an interface where they can get all the important things about any specific crypto and stocks before investing, so they can invest wisely and profitably.

**PROGRESS**

1. **Methodology**

Modules required for this project are:

* *Exploratory Data Analysis (EDA)*

Exploratory data analysis is an approach of analysing data sets to summarize their main characteristics, often using statistical graphics and other data visualization methods.

* *Python*

Python is a high-level, interpreted, general-purpose programming language.

* *Streamlit*

Streamlit is an open-source app framework in Python language. It helps us create web apps for data science and machine learning.

* *Yfinance*

Yfinance is a python package that enables us to fetch historical market data from Yahoo Finance API in a Pythonic way

1. **Flowchart**

**Diagram

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At this phase our 80% of project-work is complete.

**CONTRIBUTIONS OF MEMBERS**

**Table

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***Member 1(Tanish Vermani)***

Our project(web application) is a core Data Science Project built using python language , its several libraries and its framework streamlit. Our project is divided into two portions , one is cryptocurrency and the other is stocks. I wrote all the code for the cryptocurrency part.

***Member2(Abhishek Rana)***

It was my idea to make a Data Science Project based upon Exploratory Data Analysis and Prediction model. I wrote all the code for the stocks part of the project and also gave design and styling to the web application.