



LinuxWorld Informatics Pvt. Ltd.

CIN: U72900RJ2012PTC039171

Ref : LWIPL-JPR-2021-1016

Date: 20th Aug, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the project work and report entitled “**Cryptocurrency Price Prediction mobile application**” embodies the original work of **Ms. Aditi Awasthi** from **Gautam Buddha University** (Computer Science) at **LinuxWorld Informatics Pvt Ltd**

The duration of the project undergone as mentioned above, under the mentorship of **Mr. Vimal Daga**, Technical Head was from **22nd May 2021 to 17th August 2021**.

Gist About the Project:

In this project our goal was to create a deep learning backed deployed mobile application that allows the users to make informed decision about the price of various crypto currencies.

Technologies Used: There are three main components of the project. The front-end based on flutter. The second part is deep learning model to make predictions on the price of the crypto currency and the third is the python scripts on the AWS cloud that are responsible for communicating with the mobile application

- ❖ **Deep Learning:** Deep learning is very efficient in learning patterns in the time series dataset hence it was used very effectively. The deep learning model we created uses LSTM to understand the underlying pattern of the values of currencies with time.
- ❖ **AWS:** AWS is the most popular public cloud platform hence the deployment was done on the apache server on the EC2 instance. For saving the graphs being generated S3 bucket has been used
- ❖ **Flutter:** Flutter is the go-to framework when it comes to mobile application development since it provides a variety of functionality for ease in development



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Conclusion:

This project completed the task that it was designed to which was aiding the user to make informed decision for the price of crypto currency over a certain period of time. The mobile app has a lot of potential to be further enhanced. There are a lot of crypto currencies which can still be integrated in our system.

Future Scope:

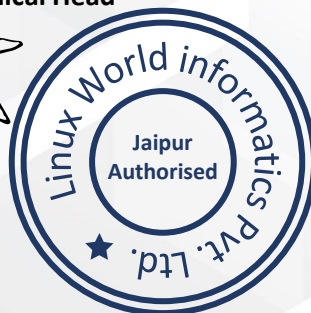
In future we can integrate sentiment analysis from various platforms like twitter, business platforms etc. so that a more informed decision can be made regarding the price variation because apart from the past data there are various professional people who also give opinions of the trends in which the price might flow in future. By scraping this data to provide to the system to make predictions would make the model become more accurate.

We wish her all the success for her future

Regards

LinuxWorld Informatics Pvt Ltd

Mr. Vimal Daga – Technical Head



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