Project Development Phase Model Performance Test

Date	21 November 2023
Team ID	SI-GuidedProject-609307-1697997262
Project Name	Time Series Analysis For Bitcoin Price Prediction Using Prophet
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in the model performance testing template.

S.No.	Parameter	Screenshot/Values
1.	Deployment	SMARTINTERNZ EXTERNSHIP Time Series Analysis For Bitcoin Price Prediction using Prophet • Bitcoin has gained significant popularity worldwide as a decentralized digital currency, disrupting teditional financial systems. • Operating on block-hair technology, Bitcoin ensures transparency, security, and immutability of transactions across the globe. • Bitcoin provides a decentralized alternative to traditional flat currencies, enabling direct peer-tor-peer transactions without the need for intermediate. • It has empowered individuals globally, including the unbanked population, by diswing them to participate in the financial ecosystem. • Cryptocurrency exchanges worldwide facilitate the buying, selling, and trading of Bitcoin, offering uses convenient platforms to reginge with the digital asset. • The regulatory landscape for cryptocurrencies varies across ocuatries, with governments striving to develop frameworks that balance innovation and investor protection. • Central banks, including the Reserve Bank of India (RBI), have expressed concerns and issued warnings about cryptocurrencies due to their volatile nature and potential risks. • Governments around the world have explored the traduction of registralizery frameworks for cryptocurrencies to ensure consumer protection and mitigate risks. • Despite regulatory challenges, interest in Ritcoin and ortyptocurrencies continues to grow globality, with many individuals viceving it as an investment opportunity and a hedge against inflation. • Bitcoin's decentralized nature and initial dispoly have contributed to its appeal as a store of value and a potential future global currency. Please refer to the Dashboard and Forecasting from the side menu. • Our Team: • Anogeri Vivek • Anodeep Venigalia • Nagula Rachit • Nihal Sanjay Jasti Vardan 218A110029
2.	Accuracy	Training Accuracy - 95.4% Validation Accuracy - 90.65%

3.	Result	Predicting Bitcoin Prices Enter a date between 2015 and 2026 2023/11/21 The predicted price of Bitcoin on 2023-11-21 is: 21476.9128532658 \$
4.	Model Summary	The project has highlighted the accuracy and effectiveness of FbProphet in capturing the underlying patterns and dynamics within Bitcoin price data. By analyzing historical trends and incorporating seasonality factors, FbProphet has demonstrated its ability to generate reliable predictions for Bitcoin prices, aiding investors, traders, and decision-makers in their strategic decision-making processes.