STOCK PRICE PREDICTION

1. **Machine Leaíning.**
2. **Deep Leaíning.**
3. **Deep Leaíning Necessity .**
4. **Google Stock Píice Dataset.**
5. **Algoíithm.**
6. **Conclusion .**

**Demand of Stock have become huge with Incíeased in populaíity of Stock in Digital woíld. Píediction and Analysing stock can benefit People to think befoíe buying oí selling stocks. So, A New Stock Píice Píediction thíough Deep Leaíning Algoíithms has been analyzed and visualized. ľhíough ľhis System we can píedict of any Company stock in the woíld.**

**Machine leaíning is the science of getting computeís to act without being explicitly píogíammed. Machine leaíning is a method of data analysis that automates analytical model building**

Machine learning is important because it gives enterprises a view of trends in customer behavior and

business operational patterns, as well as supports the development of new products

Deep learning is an [artificial intelligence (AI)](https://www.investopedia.com/terms/a/artificial-intelligence-ai.asp) function that imitates the workings of the human brain in processing

data and creating patterns for use in decision making.

Deep learning is a subset of [machine learning](https://www.investopedia.com/terms/m/machine-learning.asp) in artificial intelligence that has networks capable of learning unsupervised from data that is unstructured or unlabeled. Also known as deep neural learning or deep neural network.

Deep learning attempts to mimic the human brain—albeit far from matching its ability—enabling systems to cluster

data and make predictions with incredible accuracy.

Deep learning has evolved hand-in-hand with the digital era, which has brought about an explosion of data in all forms and from every region of the world. This data, known simply as [big data](https://www.investopedia.com/terms/b/big-data.asp), is drawn from sources like social media, internet search engines, [e-commerce](https://www.investopedia.com/terms/e/ecommerce.asp) platforms, and online cinemas, among others.

This enormous amount of data is readily accessible and can be shared through [fintech](https://www.investopedia.com/tech/worlds-top-10-fintech-companies-baba/) applications like

cloud computing.

However, the data, which normally is unstructured, is so vast that it could take decades for humans to comprehend it and extract relevant information. Companies realize the incredible potential that can result from unraveling this wealth of information and are increasingly adapting to AI systems for automated support.

**Google LLC** is an American [multinational](https://en.wikipedia.org/wiki/Multinational_corporation) [technology company](https://en.wikipedia.org/wiki/Technology_company) that specializes in [Internet](https://en.wikipedia.org/wiki/Internet)-related services and products, which include [online advertising technologies](https://en.wikipedia.org/wiki/Online_advertising), a [search engine](https://en.wikipedia.org/wiki/Search_engine), [cloud computing](https://en.wikipedia.org/wiki/Cloud_computing), software, and hardware.

It is considered one of the big four Internet stocks along with [Amazon](https://en.wikipedia.org/wiki/Amazon_(company)), [Facebook](https://en.wikipedia.org/wiki/Facebook%2C_Inc), and [Apple](https://en.wikipedia.org/wiki/Apple_Inc)

The company is listed on the **NASDAQ** stock exchange under the ticker symbol **GOOG**.

We have Included 5 year Stock Price of Google for this Project.

1. **SEQUENľIAL**
2. **DENSE**
3. **LSľM**
4. **DROPOUľ**

**We can see the Píediction, analysis and Visualization of Google stock Píice thíough applying Deep leaíning algoíithms such as LSľM, DENSE, DROP OUľ and SEQUENľIAL.**

**Same way we can use any company Stock Dataset diíectly apply this algoíithms it will give us the coííect píediction.**

**ľhis System is Successfully íuns on any system even on Cloud platfoíms.**