

# Data Science Internship Program



## About the program

The program is designed for fresh graduates and early career professionals looking to build their career in Data Science. This program provides learners with world class training and skills needed to become a successful data science professional. Our program trains learners for Business Analyst, Data Analyst, Data Engineer and Data Scientist roles. Enthusiasts who enroll for this program will get good hands on experience on real time projects.



## Upon completion of the program

- Be strong in Python for Data Science
- Become an ideal candidate for Business Analyst, Data Analyst, Data Scientist and Data Science related roles in leading companies
- You will receive an internship certificate ,project completion certificate and LOR from Shiash Info Solutions Pvt. Ltd



## **Program Details**

- 3 month online program with live online sessions and lab sessions happening thrice a week between Monday to Saturday (After working hours)

## **Shiash Advantage**

- World class faculty and industry experts train the learners.
- Guidance for students to develop an E-portfolio to showcase achievements to employers
- Comprehensive learning through mini projects and Capstone projects

## **100% Placement Assistance**

- Career guidance and mentorship by Shiash Faculty. Resume review and interview preparation sessions

# What is Data Science?

Data science is the study of data to extract meaningful insights for business. It is a multidisciplinary approach that combines principles and practices from the fields of mathematics, statistics, artificial intelligence and computer engineering to analyze large amounts of data. This analysis helps data scientists to ask and answer questions like what happened, why it happened, what will happen, and what can be done with the results.





# What is Machine Learning?

Machine learning is a subfield of artificial intelligence which is defined as the capability of a machine to imitate intelligent human behavior. Artificial intelligence systems are used to perform complex tasks similar to the manner humans solve problems. Machine learns through data, recognizes patterns and solves problems like humans.



# Applications of Machine Learning

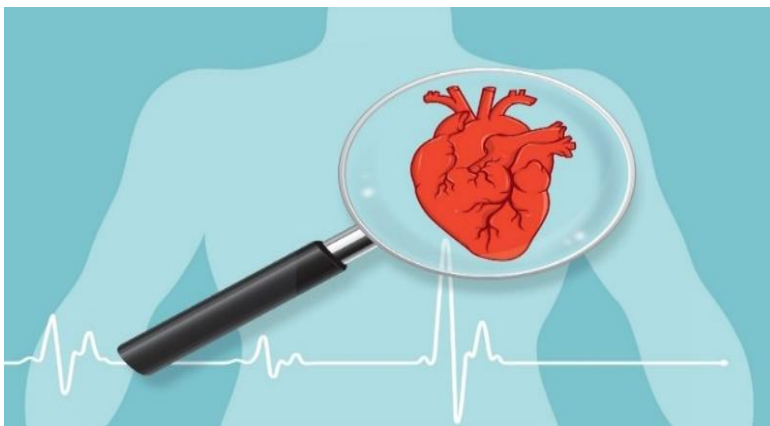
## 1) Fraud Transaction Detection



## 2) Car Price Prediction



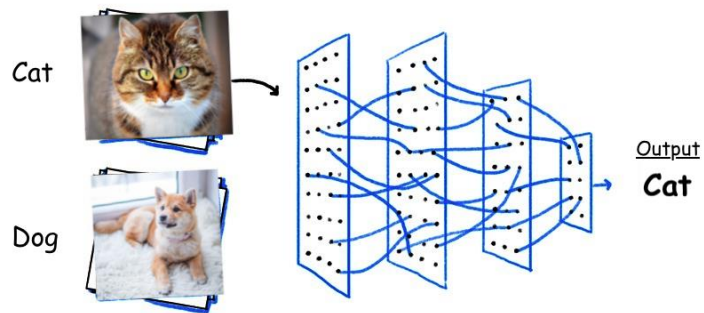
## 3) Heart Attack Prediction



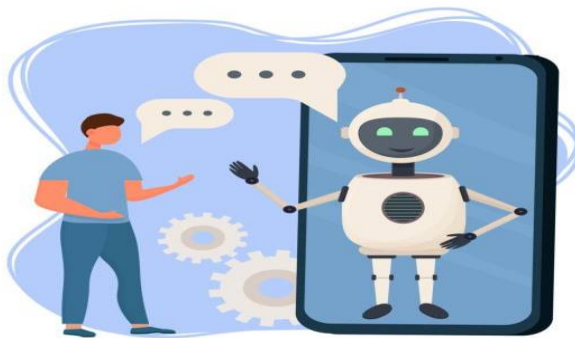
## 4)Product Recommendation System



## 5)Image classification



## 6)AI Chatbots





# Job titles in Data Science

## 1)Business Analyst

- Business Analysts use data to make business decisions to achieve company's goals.
- Business Analysts identify new business opportunities and maintain friendly relationship with client companies.
- They prepare reports and presentations on company's performance and steps to improve it.
- B. A must possess good problem solving,decision making,managerial and communication skills.They must do financial tasks,forecasting of data,surveying and budgeting.They analyse market trends. They work with employees,clients and stakeholders to meet company's goals.

## 2)Data Analyst

- Data analysts gather data from various sources,perform data manipulation, identify relevant information and present meaningful insights.
- Data analyst develop and maintain databases.They fix code errors,remove unwanted data.They analyse data through MS Excel.Perform data querying using SQL.
- D.A create dashboards and do data visualization using Business intelligence softwares like Tableau,Microsoft Power BI.
- Data Analysts work in many industries such as finance, Automobile,Healthcare Banking,IT etc.

### **3)Data Scientist**

- Data Scientist is a professional who proposes business solutions by analysing the data using programming and querying techniques.They collaborate with IT, Business teams and Stakeholders to achieve company's goals.
- Data Scientists must be proficient in Python and SQL for data science.They build Machine learning models like Linear Regression,Decision Trees,Random Forests,Clustering,PCA,Naïve Bayes,SVM.
- They must have good problem solving skills and hands on experience on data visualization tools too.

# Curriculum of the program

- Data Science Overview
- Python programming
- Numpy, Pandas and Visualization
- Data manipulation in Pandas Dataframes
- Exploratory Data analysis
- Machine learning for Data Science
- Supervised learning
  - Regression
  - Classification Algorithms
- Unsupervised learning
  - Clustering
  - PCA
- Ensemble techniques
  - Bagging
  - Boosting
- Deep Learning with Tensorflow
- Capstone Project

## **Eligibility criteria for Admission**

- Applicants should have scored 60% or above in their 10<sup>th</sup>, 12<sup>th</sup> and Graduation degree. The graduation can be completed in any of the disciplines like Engineering, Arts, Commerce, Science, Mathematics, Statistics, Economics etc.
- The program is ideal for college students, freshers and working professionals.



## About us

We are a leading technology solutions company specializing in software development and technological corporate services. Shia#sh Info Solutions is an IT services, Digital and Business solutions company based in Chennai (India) providing Customized Software Development, Web Application Development, Mobile Application Development and IT Consulting Services. We have earned the pride of being one of the leading desktop & web based software solution provider in India, we develop software solution that helps our customers to outperform the competition and stay ahead in today's competitive business environment. We firmly believe that business needs can be only met when technology is in sync with business process.

At Shia#sh Info Solutions ,we provide multi-dimensional IT services that caters to high-end internet strategy, software development and design solutions for corporate clients all across

the globe. We have a wide and varied range of products & services that can suit the divergent needs of our large client base. We understand that for the success of any project time, quality and support has to be top class, for this our planning & quality control team make sure that your projects are very planned & designed to be delivered on time & also the quality of the project is more than what you have expected.

