DATA ANALYST

1.Programming Language- Python - String, Tuples, Ditionaries, list,

Important Libraries- pandas, numpy.

Visulisation Libraries - Sea Born & Matplotlib

From This You can do Exploratory Data Analysis and retrieve the information from that specific data.

Data Analyst Explore , Analyze and retrieve some important information.

These elements are helpful in one of the very important modules in the data analytics project specifically called as feature engineering.

2. Feature engineering: Focuses on cleaning the raw data handling outliers missing values, handling the categorical variables using right kind of diagrams and visualisation chartsfor that specific kinf of data, so that you will be able to create amazing reports and send it to the stake holder which will be important for making meaningfull busiiness decisions.

3. The next Important is Databases Commonly used by a data analysy is SQL database to be a pro that you can handle millions and millions of record so that you can write queries to retrieve that meaningful information from the database itself

* SQl- Write some queries for the problem statement.

4Statistics helps you provide all the tools and techniques along with some mathematical intuition which Actualy help you to retrieve meaningfull information from the data itself.

In statistics we realy need to focus on two types descriptive and inferential statistics.

Descriptive statistics is to summarize the data by using some important techniques to see the distribution of the data by learning about probability density function, cumulative density function, and some of the important visulisation charts such as bar chart, hisogram, pie chart and many more.

Using these we can able to reteive some important information and summarize the data in a way will be able to understand the business use cases.

Inferential Statistics: Perform a lot of Statistical analysis where in we take a sample of data to make a conclusion about the population data so techniques such as hypothesis testing, Z-test,

T-test, chi-Squared Test, Anova test, F-Test. These kind of statistical analysis is basicaly done to make some amazing conclusion about the population data

5 . Business Inteligence Tool- Power-BI & Tableau

Using these specific tools will help you creating some amazing reports which will be having a lot of conclusion since you are including stastical concepts within them and those reports will be forwared to the stakeholders. The stake holders will use this reports along with the conclusions that are made by the data analyst to make some important business decisions.

In short these business Reports will be deriving the entire business plan of a specific company and how their growth will be in the future with respect to various regions.

2 Skilsets -

1. Microsoft Excel-Working with huge amount of data which can automate many of your tasks.

2. Good Communication Skills- Good Communication with Stake holders which will actuallly help to portray your thoughts ypur domain knowledge which in turn will create an amazing bnding with in the team, which in turn will actually help you to solve the business use cases.