

## Machine Learning Mentorship Program

Basics 60 Days

Starting Point For Your Career Path •••

## Our Mission & Vision

We help undergrad and post grad students struggling to get industrial experience with our Industry Grade Mentorship programs which help them to become corporate-ready individuals and possess the skillset to take on any challenges without any self-doubt.



#### **Mission**

Our aim is to become one of the most preferred education technology platforms accross the globe.



#### Vision

We envision a world in which each students receives the effective, eqitable, and engaging education they need to reach thier full and unique potential.



# WHAT MAKES US UNIQUE!



**Live Mentorship** 



**Regular Evaluation** 



**Multiple Domains** 



Career Assistance



Challenge Based Training



Resume Building



# COURSE CURRICULUM 18 SESSIONS

#### Induction Class

#### Introduction & Installation Python

Background, Need & Importance
Introduction & Installation
Writing First Program
I/O in Python

#### **Programming Elements**

Keywords & Variables

Data Types - Numbers & Strings

Operations in Python

Hands on Implementation

### Conditions & Loops Indentation & Sc

Indentation & Scopes
If else & Elif Blocks
Introduction to Loops
For & While Loops
Break & Continue Statements

#### Data Structures

Lists, Tuples, Sets Dictionaries
CRUD Operations on Data Structures
Building Rock Paper Scissor with Console

#### Functions & Expection Handling

Introduction to Function
Positional & Keyword Arguments
Return Statements
Try, Catch & Finally Block

#### Add on Topics

File Handling - i/o
Numpy Arrays
Case Studies

#### Machine Learning

Understanding Prediction System

Machine Learning v/s Deep Learning

Forms of ML - Supervised & Unsupervised

Regression & Classification

#### Linear Regression

Sklearn Library
Prediction Pipeline
Architecture of Linear Regression
Best Fit Line & Prediction



Regression vs Classification
Logistic Regression's Architecture
Bianry vs Multiclass Data

#### **Evaluation Metrices**

Loss Functions - RMSE, MSE, MAE
Accuracy - Pros & Cons
Confusion Metrices
Precision, Recall & f1 Score

#### KNN & SVM

Hyperplanes & Support Vectors
Architecture of SVM Classifiers
K-Nearest Neighbors Classifiers
Accuracy Comparisons





#### Unsupervised Learning-2

Mean Shifting Clustering
K-Means v/s Mean Shift Clustering
Industrial Use Cases of Unsupervised Learning\

#### Add-on-Topics

Hyperparameter Tuning
Grid Search CV & Randomized Search CV
Best Estimators & Best Params

#### Support

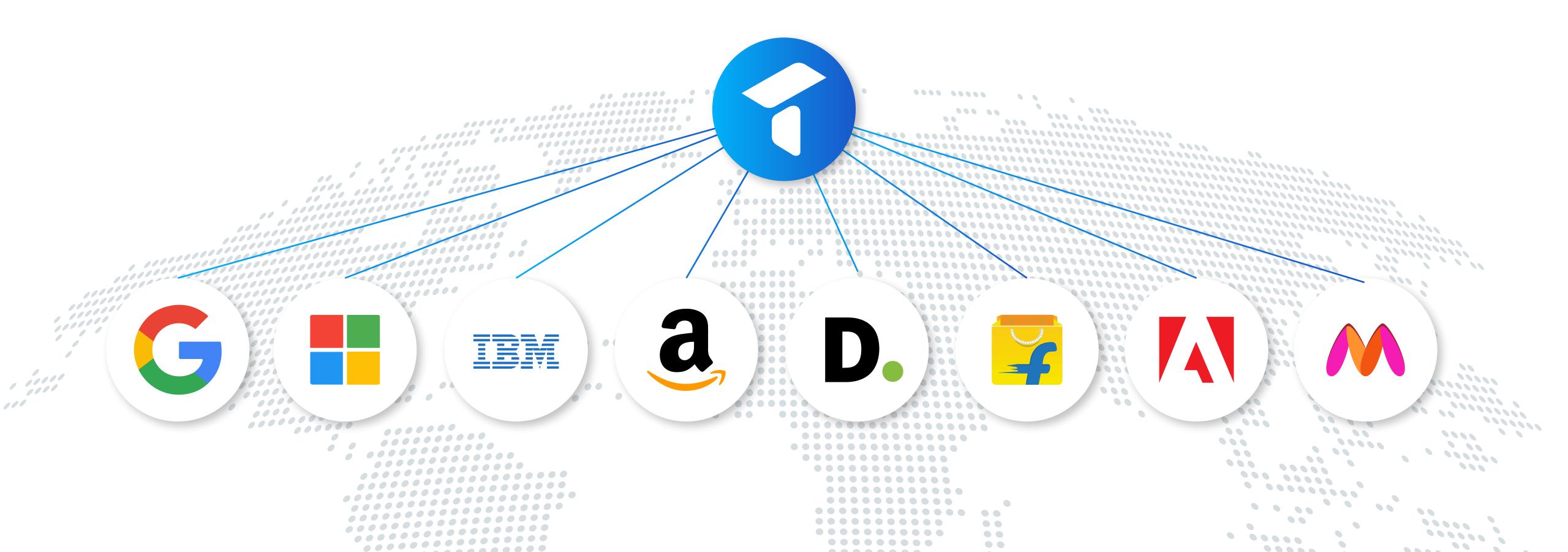
Tricks & Tips to clear interview questions

Most preffered interview questions

Resume preparation & Cover



### OUR ALUMNI WORK AT



## DONTHESITATE TO CONTACT US..





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