

# ADVANCED CERTIFICATION IN

# DATA SCIENCE 360



## Projects Included (Data Analytics):

eCommerce Data Analysis  
Banking Data Analysis

## ML Projects Domain (Any One):

Banking, Ecommerce, Retail, Startup, Forecasting,  
Healthcare, Real State

## AI Projects (Any One):

Lane Line Detection while Driving  
Face Recognition App  
Medical Diagnosis  
Chatbot

Duration: 146 Hours

"STAY UPDATED, STAY AHEAD"

## Our Benefits



### Live Projects & Assignment

Real Time Industry Based Training



### e-Content & Videos

access anytime and anywhere



### Dedicated Placement Cell

100% Placement Assistance



### 12 Months Membership

Free Benefits till 12 Months



### Verifiable Certificate

Industry Recognised Certification

## CAREER ENHANCEMENT PROGRAM (CEP) FREE\*

- Personality Development
- Master Resume Making
- Naukri Profile Creation
- Interview Preparation

## STUDENT PORTAL FREE\*

- Study Material (Book + Videos)
- MCQ & Assessment
- Interview Questions
- Interview Preparation Guide
- Latest Jobs / Vacancies

BOOK NOW

## TECHVIDYA TRAINING BENEFITS & ADVANTAGES

**ACCELERATE YOUR CAREER WITH US.  
LEARN FROM INDUSTRY EXPERTS !**



### OUR TRAINING BENEFITS & ADVANTAGES

PARTICULAR	BENEFITS
ISO 9001:2015 Accredited Company Registered under Companies Act 1956	✓
12+ Years of Experience in Education Industry	✓
Authorized Partner of every efficient field in IT & Software Companies	✓
Team of 470+ Experienced & Certified Instructors	✓
More than 68806+ Students Trained & 5740+ Batches Completed	✓
250+ Collaboration with Universities & Edutech Companies	✓
920+ Hiring Partners accross Globe	✓
100% Placement Assistance through Dedicated Placement Cell	✓
Online Student Portal Access	✓
Career Enhancement Program (CEP)	✓
12 Months of Membership with TechVidya	✓
Advantage of gaining Real-Time Experience with Industry based Projects	✓
Complete Training under Experienced & Professional Team of Trainers	✓
Internship Letter will be provided after Completion of Training	✓
Industry Recognized Course Completion Certification by TechVidya	✓
Digitally Verifiable Certificate on Official Website of TechVidya	✓



## Data Science 360 Training + Certification



### Learning Collaborations



### Global Certifications





## Python (Basic to Advance) Training + Certification



### Learning Collaborations



### Global Certifications



## Modules covered under Python Training Program

### **Module 1:** Python - An Introduction

- Python: An Overview
- History of Python
- Version of Python
- Feature of Python
  - ✓ Simple
  - ✓ Open Source
  - ✓ High Level Programming Language
  - ✓ Portable
  - ✓ Object Oriented & Procedure Oriented
  - ✓ Interpreted
  - ✓ Easy to Maintain
- Comparisons of Python with Other Language
  - ✓ Java
  - ✓ C++
  - ✓ Java Script
  - ✓ Perl
- Execution of Programs
- Python Comment

### **Module 2:** Python Variables & Data Types

- What is variables
- Assign Variables
- Data Types:
  - ✓ Numeric Data Types
  - ✓ Boolean Data Types
  - ✓ Compound Data Types
  - ✓ Dictionaries
  - ✓ Sets
  - ✓ Array

## Modules covered under Python Training Program

### Module 3: Operators

- Types of Operators
  - ✓ Arithmetic & Relational Operators
  - ✓ Assignment Operators
  - ✓ Logical / Boolean Operators
  - ✓ Identity Operators
  - ✓ Membership Operators
  - ✓ Bitwise Operators
- Operators Precedence & Associativity
  - ✓ Precedence of Operators
  - ✓ Associativity of Operators

### Module 4: Python Conditional Statements

- The If Statements
- The if-else Statements
- The Elif Statements
- The Nested If – Else Statements

### Module 5: Python Looping Concept

- Python for Loop
- Python While Loop

### Module 6: Python Control Statements

- The Break Statements
- The Continue Statements
- The Pass Statements

### Module 7: Python Number

- Mathematical Function
- Random Function
- Trigonometric Function

## Modules covered under Python Training Program

### Module 8 : Python Strings

- Accessing Strings
- Basic Operations
- String slices
- String Built-In Function

### Module 9 : Python List

- Introduction
- Accessing list
- Operations
- Working with lists
- List Slices
- Aliasing
- Cloning
- List Comprehension
- Deleting List
- Built-in Function

### Module 10 : Python Tuple

- Introduction
- Creating Tuple
- Accessing Tuple
- Modifying Tuple
- Deleting Tuple
- Built-in Function

### Module 11 : Python Dictionary

- Introduction
- Creating Dictionary
- Accessing Dictionary
- Deleting Dictionary
- Built-In Function

## Modules covered under Python Training Program

### Module 12 : Python Sets

- Introduction
- Declaring an Sets
- Operation on Sets
- Built-In Function

### Module 13 : Python Date & Time

- The Time Module
- The Calendar Module

### Module 14 : Python Function

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables

### Module 15 : Module

- Introduction
- The Import Statement
- The From...Import Statement
- The From...Import\* Statement

### Module 16 : File Handling (Input / Output)

- Introduction
- Opening & closing Files
- Reading & writing Files
- Rename & Remove Files
- The Directories



## Modules covered under Python Training Program

### **Module 17 :** Exception Handling

- Error in Python Program
  - ✓ Syntax error
  - ✓ Exception
- Types of Exception
- Handling Exception in Python
- Raising Exception
- User Defined Exception

### **Module 18 :** OOPs Concepts

- Class and object
- Attributes
- Inheritance
- Overloading
- Overriding
- Interface & Abstraction

### **Module 19 :** Analytics Tool (Any One)

- Tableau
- Microsoft Power BI

### **Module 20 :** Projects And Interviews

- Covering all the concepts
- Project Work
- Resume Preparation
- Interview Question Preparation



Data Analysis

## Data Analysis Training + Certification



### Learning Collaborations



### Global Certifications



## Modules covered under Data Analysis Training Program

### **Module 1 :** Introduction to Anaconda Distribution

- What is Anaconda Distribution?
- How it is different from Python Distribution?
- How to install Anaconda?
- Anaconda Repository
- Anaconda Navigator
- Integrating Anaconda with Pycharm

### **Module 2 :** Using Git and GitHub

- Setting up Your GitHub Account
- Configuring Your First Git Repository
- Making Your First Git Commit
- Pushing Your First Commit to GitHub
- Git and GitHub Workflow Step-by-Step

### **Module 3 :** Introduction to SQL and DataBases

- SQL/RDBMS database management
- SQL Queries
- CRUD Operations

### **Module 4 :** Introduction to numpy and statistical Analysis

- What is numpy?
- Numpy performance test
- Introduction to numpy arrays and Matrices
- Indexing and Selection
- Introduction to numpy function
- Numpy Operations Array with Array, Array with Scalars, Universal Array
- Functions
- Dealing with Flat files using numpy
- Mathematical functions
- Statistical functions

## Modules covered under Data Analysis Training Program

### **Module 5:** Introduction to Pandas and Data Analysis

- Integrating Anaconda with Pycharm
- What is Pandas
- Creating Series
- Creating Data Frames
- Grouping, Sorting
- Group by Operations
- Merging, Joining and Concatenating DataFrame
- Pandas Operations
- Data Input and Output from a variety of data formats like csv, excel, db, json etc
- Missing Data (Imputation)
- Data analysis with data set
- Practical use cases using data analysis

### **Module 6:** Statistics and Probability

- Type of Dataset: Numerical, Categorical and Ordinal
- Mean, Median and Mode
- Variance and Standard Deviation
- Probability Density Function(PDF) and Probability Mass Function (PMF)
- Percentiles and Moments
- Covariance and Correlation
- Conditional Probability
- Bayes' Theorem Module

## Modules covered under Data Analysis Training Program

### **Module 7:** Data Visualization using Matplotlib

- Plotting for exploratory data analysis (EDA)
- Line Graph on time Series
- Pie Chart, Bar and Horizontal Bar Graph
- Introduction to IRIS dataset
- 2D scatter plot
- Pair plots
- Histogram and Introduction to PDF (Probability Density Function)
- CDF (Cumulative Distribution Function)

### **Module 8:** Data Visualization using Seaborn

- Introduction to Seaborn
- Preparation of scatter data
- Figures in Seaborn
- Scatter plots in Seaborn
- Preparation of line plot data
- Line plots in Seaborn
- More on visualization

### **Module 9:** Project & Interview Preparation

- Project Work
- PD Classes
- Resume Preparation
- Interview Question Preparation



**Tableau**  
**Training + Certification**



Learning Collaborations



Global Certifications



## Modules covered under Tableau Training Program

### **Module 1:** Tableau Intro

- Data Warehousing & Business Intelligence primer
- Data Analysis
- Data visualization
- How does Business Reporting Work
- Dashboards primer
- About Tableau
- Tableau reporting architecture
- Measures & Dimensions
- Continuous & Discrete data
- Values axis & Category axis

### **Module 2:** Getting data in

- Flat files
- Database
- Webservices, Cloud
- Clipboard
- Extract
- Why Extracts
- Incremental Extracts
- Tableau Server Data Sources

### **Module 3:** Saving & Publishing

- Packaged Workbooks
- Publishing to Server
- Tableau file types

## Modules covered under **Tableau Training Program**

### **Module 4:** Data Visualization Building Blocks

- Worksheets & Dashboards
- Filters
- Creating Filters
- Customizing Filters
- Filter Actions
- Filter Selected Sheets
- Filtering Large Dimensions
- Row Shelf & Column Shelf
- Marks cards
- Color
- Size
- Label
- Detail
- Tooltip
- Path
- Sets
- Parameters
- Creating Parameters
- Using Parameters
- Groups
- Calculated Columns



## Modules covered under **Tableau Training Program**

### **Module 5:** Visualizations

- Line Charts
- Lines (continuous) charts
- Lines (discrete) charts
- Dual lines
- Bar Charts
- Horizontal bar charts
- Stacked bar charts
- Side-by-Side bar charts
- Text tables
- Heat maps
- Highlight tables
- Symbol maps
- Filled Maps
- Pie Charts
- Treemaps
- Circle views
- Side-by-Side Circle views
- Area Charts
- Area Charts (Continuous)
- Area Charts (Discrete)
- Combination charts
- Scatter Plots
- Histogram
- Box Plots
- Gantt charts
- Bullet Charts
- Packed bubble charts

## Modules covered under **Tableau Training Program**

### **Module 6 : Others**

- Building Dashboards
- Forecasting
- Reference Bands
- Reference Lines
- Sheet Sorter
- Show Missing Values
- Trend Lines
- Handling Null Values
- Legend Highlighting
- Highlight Actions
- Visually Grouping Data
- Table Calculations
- Hiding Columns
- Computing Totals
- Formatting
- Annotating
- Layout Containers
- Tiling & floating dashboards
- Actions
- Filter
- Highlight

## Modules covered under **Tableau Training Program**

### **Module 7:** Tableau Server

- Authoring
- Subscriptions
- Publishing
- Viewing dashboards in web pages
- PDF options
- Sharing Server views

### **Module 8:** Projects And Interviews

- Covering all the concepts
- Project Work
- Resume Prepration
- Interview Question Prepration



# Power BI

## Microsoft Power BI Training + Certification



### Learning Collaborations



### Global Certifications



## Modules covered under Power BI Training Program

### **Module 1 :** Quick Start Power BI Service

- Get Power BI Tools
- Introduction to Tools and Terminology
- Dashboard in Minutes
- Refreshing Power BI Service Data
- Interacting with your Dashboards
- Sharing Dashboards and Reports

### **Module 2 :** Getting and Transforming Data with Power BI Desktop

- Introduction to Power BI Desktop
- Getting Data: Excel vs Power BI Desktop & Service
- Data Structure for Q&A
- Direct Query vs Import Data

### **Module 3 :** Modeling with Power BI

- Introduction to Modeling
- Setup and Manage Relationships
- Cardinality and Cross Filtering
- Default Summarization & Sort by
- Creating Calculated Columns
- Creating Measures & Quick Measures

## Modules covered under **Power BI Training Program**

### **Module 4:** Power BI Desktop Visualisations

- Creating Visualisations
- Color Formatting
- Setting Sort Order
- Scatter & Bubble Charts & Play Axis
- Tooltips
- Slicers, Timeline Slicers & Sync Slicers
- Cross Filtering and Highlighting
- Visual, Page and Report Level Filters
- Drill Down/Up
- Hierarchies
- Reference/Constant Lines
- Tables, Matrices & Conditional Formatting
- KPI's, Cards & Gauges
- Map Visualizations
- Custom Visuals
- Managing and Arranging
- Drill through
- Custom Report Themes
- Grouping and Binning
- Selection Pane, Bookmarks & Buttons

### **Module 5:** Power BI Service Visualisation Tools

- Introduction
- Standalone Tiles
- Data Driven Alerts
- Quick and Related Insights
- Custom Q&A questions

## Modules covered under Power BI Training Program

### **Module 6 :** Publishing and Sharing

- Introduction
- Sharing Options Overview
- Publish from Power BI Desktop
- Publish to Web
- Share Dashboard with Power BI Service
- Workspaces and Apps (Power BI Pro)
- Content Packs (Power BI Pro)
- Print or Save as PDF
- Row Level Security (Power BI Pro)
- Export Data from a Visualization
- Publishing for Mobile Apps
- Export to PowerPoint
- Sharing Options Summary

### **Module 7 :** Refreshing Datasets

- Understanding Data Refresh
- Personal Gateway (Power BI Pro and 64-bit Windows)
- Replacing a Dataset
- Troubleshooting Refreshing

## Modules covered under Power BI Training Program

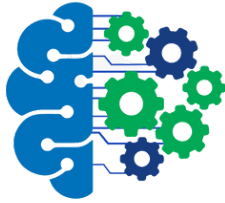
### **Module 8:** Power BI and Excel Together

- Options for Publishing from Excel
- Pin Excel Elements to Power BI
- Connect to Data using Power BI Publisher/Analyze in Excel
- Excel 2016 Publish: Upload and Export to Power BI
- Sharing Published Excel Dashboards

### **Module 9:** Projects And Interviews

- Covering all the concepts
- Project Work
- Resume Preparation
- Interview Question Preparation





## Machine Learning Training + Certification



### Learning Collaborations



### Global Certifications



## Modules covered under Machine Learning Training Program

### **Module 1:** Introduction to Machine Learning

- Introduction To Machine Learning
- Importance Of Machine Learning
- How did Machine Learning work?

### **Module 2:** Introduction to AI and Machine Learning

- Learning Objectives
- The emergence of Artificial Intelligence
- Artificial Intelligence in Practice
- Sci-Fi Movies with the concept of AI
- Recommender Systems
- Relationship Between Artificial Intelligence, Machine Learning, and Data Science
- Definition and Features of Machine Learning
- Machine Learning Approaches
- Machine Learning Techniques
- Applications of Machine Learning - Part A
- Applications of Machine Learning - Part B
- Key Takeaways

## Modules covered under Machine Learning Training Program

### **Module 3:** Data Pre-processing

- Learning Objectives
- Data Exploration: Loading Files
- Demo: Importing and Storing Data
- Practice: Automobile Data Exploration I
- Data Exploration Techniques: Part 1
- Data Exploration Techniques: Part 2
- Seaborn
- Demo: Correlation Analysis
- Practice: Automobile Data Exploration II
- Data Wrangling
- Missing Values in a Dataset
- Outlier Values in a Dataset
- Demo: Outlier and Missing Value Treatment
- Practice: Data Exploration III
- Data Manipulation
- Functionalities of Data Object in Python: Part A
- Functionalities of Data Object in Python: Part B
- Different Types of Joins
- Typecasting
- Demo: Labor Hours Comparison
- Practice: Data Manipulation
- Key Takeaways
- Lesson-end project: Storing Test Results

## Modules covered under Machine Learning Training Program

### **Module 4:** Supervised Learning

- Learning Objectives
- Supervised Learning
- Supervised Learning- Real-Life Scenario
- Understanding the Algorithm
- Supervised Learning Flow
- Types of Supervised Learning – Part A
- Types of Supervised Learning – Part B
- Types of Classification Algorithms
- Types of Regression Algorithms - Part A
- Regression Use Case
- Accuracy Metrics
- Cost Function
- Evaluating Coefficients
- Demo: Linear Regression
- Practice: Boston Homes I
- Challenges in Prediction
- Types of Regression Algorithms - Part B
- Demo: Bigmart
- Practice: Boston Homes II
- Logistic Regression - Part A
- Logistic Regression - Part B
- Sigmoid Probability
- Accuracy Matrix
- Demo: Survival of Titanic Passengers
- Practice: Iris Species
- Key Takeaways
- Lesson-end Project: Health Insurance Cost

## Modules covered under Machine Learning Training Program

### **Module 5 :** Feature Engineering

- Learning Objectives
- Feature Selection
- Regression
- Factor Analysis
- Factor Analysis Process
- Principal Component Analysis (PCA)
- First Principal Component
- Eigenvalues and PCA
- Demo: Feature Reduction
- Practice: PCA Transformation
- Linear Discriminant Analysis
- Maximum Separable Line
- Find Maximum Separable Line
- Demo: Labeled Feature Reduction
- Practice: LDA Transformation
- Key Takeaways
- Lesson-end Project: Simplifying Cancer Treatment

## Modules covered under Machine Learning Training Program

### **Module 6 :** Supervised Learning: Classification

- Learning Objectives
- Overview of Classification
- Classification: A Supervised Learning Algorithm
- Use Cases
- Classification Algorithms
- Decision Tree Classifier
- Decision Tree: Examples
- Decision Tree Formation
- Choosing the Classifier
- Overfitting of Decision Trees
- Random Forest Classifier- Bagging and Bootstrapping
- Decision Tree and Random Forest Classifier
- Performance Measures: Confusion Matrix
- Performance Measures: Cost Matrix
- Demo: Horse Survival
- Practice: Loan Risk Analysis
- Naive Bayes Classifier
- Steps to Calculate Posterior Probability: Part A
- Steps to Calculate Posterior Probability: Part B
- Support Vector Machines: Linear Separability
- Support Vector Machines: Classification Margin
- Linear SVM: Mathematical Representation
- Non-linear SVMs The Kernel Trick
- Demo: Voice Classification
- Practice: College Classification
- Key Takeaways
- Lesson-end Project: Classify Kinematic Data

## Modules covered under Machine Learning Training Program

### **Module 7:** Unsupervised Learning

- Learning Objectives
- Overview
- Example and Applications of Unsupervised Learning
- Clustering
- Hierarchical Clustering
- Hierarchical Clustering: Example
- Demo: Clustering Animals
- Practice: Customer Segmentation
- K-means Clustering
- Optimal Number of Clusters
- Demo: Cluster-Based Incentivization
- Practice: Image Segmentation
- Key Takeaways
- Lesson-end Project: Clustering Image Data

### **Module 8:** Time Series Modeling

- Learning Objectives
- Overview of Time Series Modeling
- Time Series Pattern Types Part A
- Time Series Pattern Types Part B
- White Noise
- Stationarity
- Removal of Non-Stationarity
- Demo: Air Passengers I
- Practice: Beer Production I
- Time Series Models
- Steps in Time Series Forecasting
- Demo: Air Passengers II
- Practice: Beer Production II
- Key Takeaways
- Lesson-end Project: IMF Commodity Price Forecast

## Modules covered under Machine Learning Training Program

### Module 9 : Ensemble Learning

- Learning Objectives
- Overview
- Ensemble Learning Methods
- Working of AdaBoost
- AdaBoost Algorithm and Flowchart
- Gradient Boosting
- XGBoost Parameters
- Demo: Pima Indians Diabetes
- Practice: Linearly Separable Species
- Model Selection
- Common Splitting Strategies
- Demo: Cross-Validation
- Practice: Model Selection
- Key Takeaways
- Lesson-end Project: Tuning Classifier Model

### Module 10 : Recommender Systems

- Learning Objectives
- Introduction
- Purposes of Recommender Systems
- Paradigms of Recommender Systems
- Collaborative Filtering
- Association Rule Mining
- Association Rule Mining: Market Basket Analysis
- Association Rule Generation: Apriori Algorithm
- Apriori Algorithm Example
- Apriori Algorithm: Rule Selection
- Demo: User-Movie Recommendation Model
- Practice: Movie-Movie recommendation
- Key Takeaways
- Lesson-end Project: Book Rental Recommendation



## Modules covered under Machine Learning Training Program

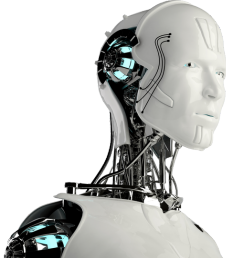
### **Module 11 :** Text Mining

- Learning Objectives
- Overview of Text Mining
- Significance of Text Mining
- Applications of Text Mining
- Natural Language Toolkit Library
- Text Extraction and Preprocessing: Tokenization
- Text Extraction and Preprocessing: N-grams
- Text Extraction and Preprocessing: Stop Word Removal
- Text Extraction and Preprocessing: Stemming
- Text Extraction and Preprocessing: Lemmatization
- Text Extraction and Preprocessing: POS Tagging
- Text Extraction and Preprocessing: Named Entity Recognition
- NLP Process Workflow
- Demo: Processing Brown Corpus
- Practice: Wiki Corpus
- Structuring Sentences: Syntax
- Rendering Syntax Trees
- Structuring Sentences: Chunking and Chunk Parsing
- NP and VP Chunk and Parser
- Structuring Sentences: Chinking
- Context-Free Grammar (CFG)
- Demo: Twitter Sentiments
- Practice: Airline Sentiment
- Key Takeaways
- Lesson-end Project: FIFA World Cup

## Modules covered under **Machine Learning Training Program**

### **Module 12 :** Project & Interview Preparation

- Project Work
- PD Classes
- Resume Preparation
- Interview Question Preparation



## Artificial Intelligence Training + Certification

### Learning Collaborations



### Global Certifications



## Modules covered under Artificial Intelligence Program

### **Module 1:** Introduction to Artificial Intelligence

- Basic Concept of Artificial Intelligence (AI)
- The Necessity of Learning AI
- What is Intelligence?
- What is Intelligence Composed Of?
- What's Involved in AI
- Application of AI
- Cognitive Modeling: Simulating Human Thinking Procedure Agent & Environment

### **Module 2:** Time Series Analysis

- What is Time Series?
- Regression vs Time Series
- Examples of Time Series data
- Trend, Seasonality, Noise and Stationarity
- Time Series Operations
- Detrending
- Successive Differences
- Moving Average and Smoothing
- Exponentially weighted forecasting model
- Lagging
- Correlation and Auto-correlation
- Holt Winters Methods
- Single Exponential smoothing
- Holt's linear trend method
- Holt's Winter seasonal method
- ARIMA and SARIMA

## Modules covered under Artificial Intelligence Program

### **Module 3:** Natural Language Processing

- REGEX and Introduction To NLP
- Feature Engineering on Text Data
- Natural Language Understanding Techniques
- Natural Language Generation
- Natural Language Processing Libraries
- Natural Language Processing with Machine Learning and Deep Learning
- Basic Lexical Processing
- Advanced Lexical Processing
- Introduction to Speech Recognition
- Signal Processing and Speech Recognition Models
- Speech to Text
- Text to Speech
- Voice Assistant Devices

### **Module 4:** Text Mining and Sentimental Analysis

- Text Cleaning, Regular Expressions, Stemming, Lemmatization
- Word Cloud, Principal Component Analysis, Bigrams & Trigrams
- Web Scrapping, Text Summarization, Lex Rank Algorithm
- Latent Dirichlet Allocation (LDA) Technique
- Word2vec Architecture (Skip Grams Vs CBOW)
- Text Classification, Document Vectors, Text Classification Using Doc2Vec

## Modules covered under **Artificial Intelligence Program**

### **Module 5:** Reinforcement Learning

- Introduction to Reinforcement Learning
- Reinforcement Learning Framework and Elements
- Multi-Arm Bandit
- Markov Decision Process
- Solution Methods
- Q-value and Advantage Based Algorithms

### **Module 6:** Heuristic Search

- Concept of Heuristic Search in AI
- Difference between Uninformed and Informed Search
- Real World Problem Solved by Constraint Satisfaction
- AI with Python – Gaming
- Search Algorithms
- Combinational Search
- Minimax Algorithm
- Alpha-Beta Pruning
- Negamax Algorithm
- Building Bots to Play Games
- A Bot to Play Last Coin Standing
- A Bot to Play Tic Tac Toe

## Modules covered under Artificial Intelligence Program

### Module 7: Neural Networks

- What is Artificial Neural Networks (ANN)
- Installing Useful Packages
- Building Neural Networks
- Perceptron based Classifier
- Single - Layer Neural Networks
- Multi-Layer Neural Networks

### Module 8: Genetic Algorithms

- What are Genetic Algorithms?
- How to Use GA for Optimization Problems?
- Installing Necessary Packages
- Implementing Solutions using Genetic Algorithms
- AI with Python – Computer Vision
- Computer Vision
- Computer Vision Vs Image Processing
- Installing Useful Packages
- Reading, Writing and Displaying an Image
- Color Space Conversion
- Edge Detection
- Face Detection
- Eye Detection

## Modules covered under **Artificial Intelligence Program**

### **Module 9:** Deep Learning

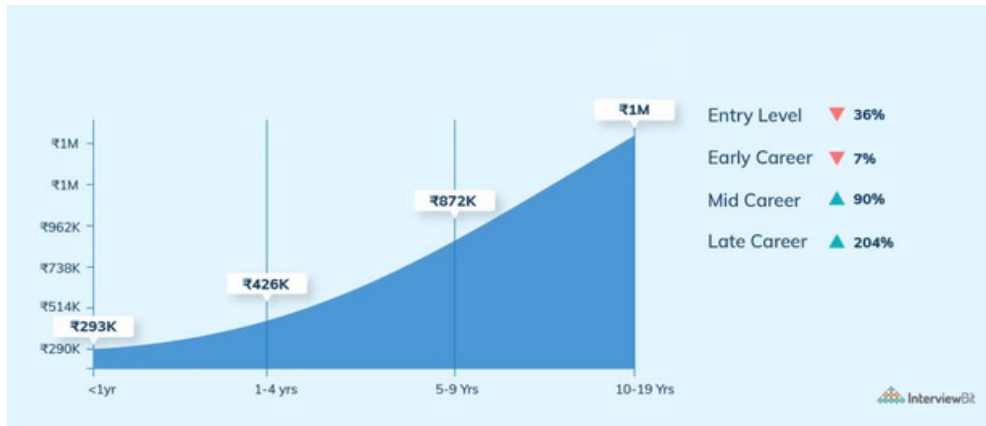
- Machine Learning v/s Deep Learning
- Convolutional Neural Network (CNN)
- Installing Useful Python Packages
- Building Linear Regressor using ANN
- Image Classifier: An Application of Deep Learning

### **Module 10:** Project & Interview Preparation

- Project Work
- PD Classes
- Resume Preparation
- Interview Question Preparation



## Benefits as **Data Scientist**



## Our Training Benefits as **Data Science 360 Program**

- Our complete training is constructed as per the current industry standard.
- Live Project & Industrial Based Training.
- One of the biggest team of Certified Expert & Competent Trainers.
- Easy to understand study material.
- Regular and Weekends classes for IT & Software training is provided.
- Interaction, analysis and case studies are an integral part of the training.
- Smart Labs with Real Latest Equipments.
- Students are free to access the labs for an unlimited number of hours
- Free Study Material, e-PDFs, Video Trainings, Sample Questions.
- Globally Recognized Course Completion Certificate.
- The ability to retake the class at no-charge as often as desired.
- One-on-One attention from instructors.
- Helps students to take knowledge of complex technical concepts.
- Post Training Support will help the students.
- Personality Development & Interview Preparation classes.
- 100% Job Assistance with dedicated training & placement team.



# Join One of the Best Data Science 360 Training Institute in India

(In-Class & Live Online Training by Industry Experts)



**5740+**  
**Batches Completed**



**68806+**  
**Students Trained**



**470+**  
**Skilled Instructors**



## Our Latest Reviews



Hi All, I am Shilpa and i have done my Certification from TechVidya. The study environment is good and trainers are full of knowledge. I personally recommend TechVidya Institute to all the students who looking for quality education and sincere about there future.

I am grateful to TechVidya - both the faculty and the Training & Placement Department. They've made efforts ensuring maximum number of placed students. The Institute started grooming us for placements in the first few months including courses such as Professional Excellence Program and Professional Skills Enhancement. I suggest to join TechVidya which comes under top 10 IT & Software training institute.



Hi I am Amit Kumar and my Enrollment ID with TechVidya is TV230967. I completed my Certification from TechVidya. They provides IT & Software courses in more practical & real scenario basis. Complete project based training help me to sharpen my technical skills.

TechVidya has always believed in helping and guiding its students and it was no different during the placement time. Regular classes held to help us with our aptitude and technical skills. Recommend to all the students who looking for best computer classes with quality education. Thanks TechVidya for explore my career.



## RECORD BREAKING PLACEMENTS 100% JOB PLACEMENT ASSISTANCE

MEET OUR PLACED STUDENTS



Anand Pandey  
Newgen



Sumi Singh  
R Systems



Baldev Singh  
Star Solutions



Meenakshi  
Chetu India



Neha Bisht  
PayTM



Jeewan Singh  
Aavishkar Ent.









Prem Prakash  
MPS Limited



## Career Assistance Services



-  **Career Oriented Sessions**  Throughout the Course
-  **Resume & LinkedIn Profile Building**  After 70% of the Course Completion
-  **Mock Interview Preparation**  After 80% of the Course Completion

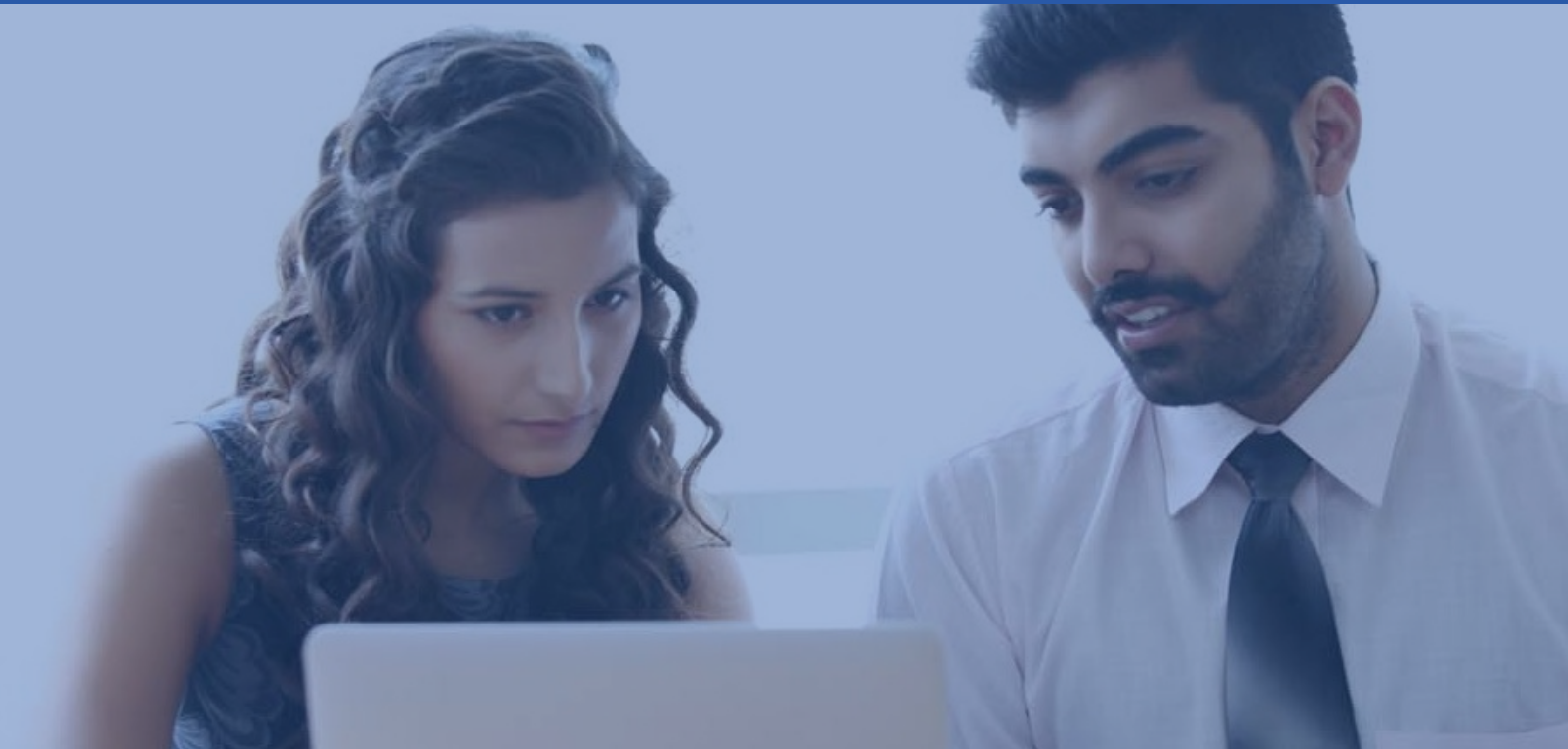
-  **1 on 1 Career Mentoring Sessions**  After 90% of the Course Completion
-  **Assured Interviews**  After 90% of the Course Completion
-  **1 Year Placement Assistance**  After 100% of the Course Completion





# Our Top Placement Partners





## TechVidya In News



08-Jan

ET Now- Startup Central

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