



**TeqCertify**

Elevate Your Data Journey



# Unlock Your Future with **DATA SCIENCE**

**Transform Your Career with In-Demand Skills**

[www.teqcertify.com](http://www.teqcertify.com)



# About Our Program

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At TeqCertify, we provide a comprehensive Data Science Program which focuses on developing the necessary skills and knowledge for analyzing, interpreting, and leveraging large volumes of data to make informed decisions. These programs cover a range of topics, from statistics and machine learning to data visualization and programming, all designed to prepare individuals for careers in data science.

# Why Choose DATA SCIENCE ?

## Why Should You Invest in the Course?

**22%**

Market growth  
from 2020 to 2030

**10,000+**

Job Vacancies  
in India

**8 LPA**

Data Science  
fresher's average  
salary

**80%**

Job Satisfaction

**20%**

India's share in the  
global market



## Choosing Data Science offers numerous benefits:

- **High Demand:** Data science skills are in high demand across industries like tech, finance, healthcare, and retail.
- **Lucrative Career Opportunities:** Data scientists typically earn competitive salaries with strong career growth potential.
- **Impactful Work:** Data science helps solve complex problems and drive data-driven decisions, improving business outcomes and societal issues.
- **Diverse Applications:** It offers opportunities to work in various fields, from machine learning and AI to big data analytics and data visualization.

# WHY DATA SCIENCE Industry Outlook?

**Growing Data Volumes:** Increasing data requires efficient management by data engineers.

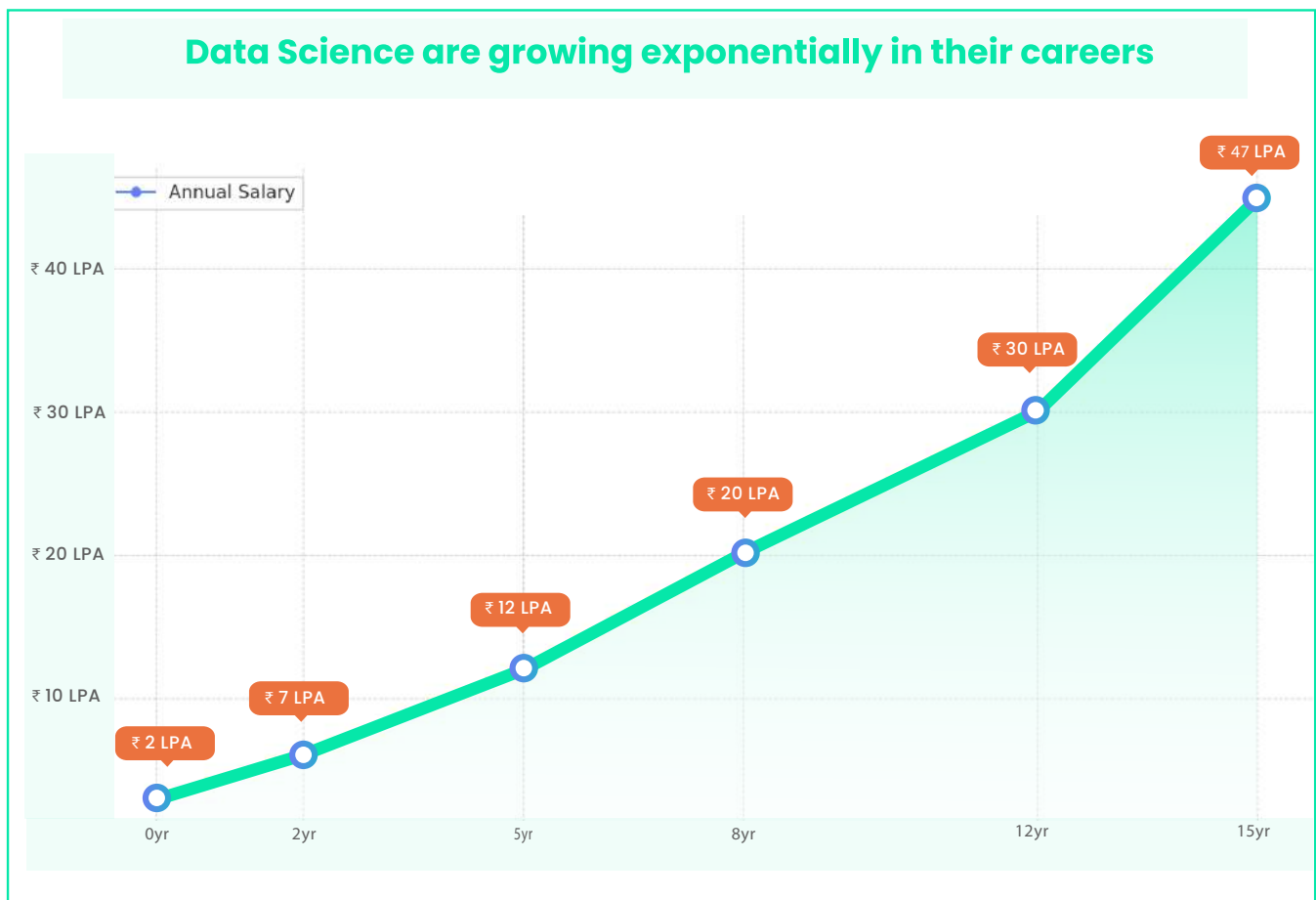
**Data-Driven Decisions:** Businesses need strong data infrastructure for informed decisions.

**Cloud Adoption:** Data engineers build scalable pipelines for cloud platforms.

**Emerging Tech:** Big data, AI, and machine learning need advanced data solutions.

**Job Demand & Salaries:** High demand and competitive salaries for data engineers.

Size of Industry	Job Openings	Growth in openings
USD 8 Bn+	22,000+	46% YoY



# HOW IT WORKS

## Get Upskilled

### Curriculum that matches industry trends

- ✓ Material designed by top industry experts from top companies
- ✓ Learn in-demand skills to make strong foundational career
- ✓ Learn from the basics to advanced. Become a pro



### Our mentors are the industry's top 1%

- ✓ Learn, ask question, discuss problems with the best experts
- ✓ Meet your mentors in live sessions, address every doubt directly
- ✓ Dedicated mentors will help you to solve every problem



### Experience different ways of learning

- ✓ Have a structured learning plan you can fit in your schedule
- ✓ Study through self paced content through the week and engage with mentors in live classes
- ✓ Solve real problems with industry leaders in live sessions



# HOW IT WORKS

## Get Placed

### Make a resume that stands out

- ✓ Learn how to give the best first impression with your resume
- ✓ Get guidance on how make a resume that fits every job description
- ✓ Learn to highlight your career experience, skills, and knowledge in the best way possible



### Practice with mock interviews

- ✓ Learn to approach the most frequently answered questions
- ✓ Get personalised actionable feedback from experts
- ✓ Practice and build your interview confidence

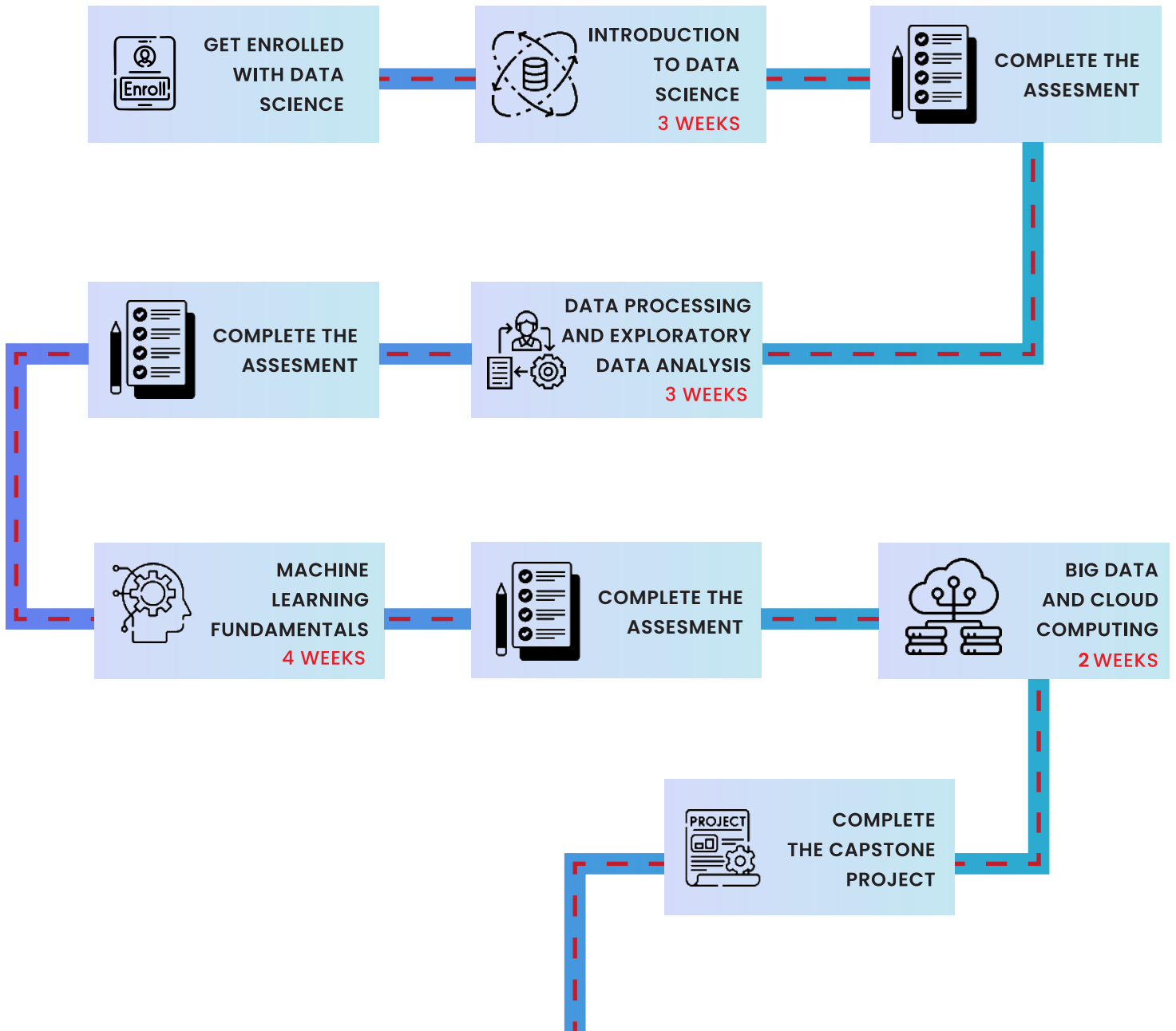


### Now, it's time to get your dream job!

- ✓ Extensive job support from shortlisting to interview preparation
- ✓ Get access to opportunities in over 50+ partner companies
- ✓ Work on hands-on projects that will expand your portfolio



# JOURNEY WITH TeqCertify



## Get Certificate By TeqCertify

Mastering a skill is only half the journey; understanding how to apply it in scenarios is what sets you apart. At TeqCertify, we go beyond teaching—helping you bridge the gap between learning and practical application in the industry.

# PLACEMENTS

## Path to your Dream Job



### Build your portfolio

Build your portfolio with real life case studies and projects to showcase your skills



### Create an resume that stands out

Build a resume with which showcases your skills to recruiters. Get shortlisted with ease and stand out from the crowd.



### Ace your interview

Prepare for interviews with Mock sessions with hiring experts from across the industries



### Get connected with your dream companies

Connect with your dream companies with ease. Skip the queue of generic job portals and stand out with our career partners who believe in the quality of TeqCertify's graduates



### Interview tips

Get personalised tips for every interview opportunity. Be the best prepared for every opportunity



### Get your dream job

Fast track your career progression and get your dream job





# CASE STUDIES

## Retail – Personalized Shopping

- Analyzed customer behavior with machine learning.
- Developed recommendation systems using collaborative filtering.



## Healthcare – Predicting Readmissions

- Predicted high-risk patients using medical data.
- Built a logistic regression model for readmission risk.

## Sports – Player Performance

- Analyzed performance data with statistical models.
- Predicted fatigue and injury risk using machine learning.



## Finance – Credit Scoring

- Analyzed financial data for credit risk.
- Developed a Random Forest model to predict defaults.

# PROGRAM HIGHLIGHTS

## Hands-On Learning

Apply your skills through live projects and real-world case studies.



## Expert Mentors

Learn from industry experts with years of experience.



## Job-Ready Skills

Our curriculum is designed to make you industry-ready with the tools and knowledge that are most sought after by employers.



## Capstone Project

A chance to solve real business problems with your newly acquired skills.



# PLACEMENT PREPARATION

## Personal Development

Landing your dream job requires more than just mastering skills. We help you go beyond, crafting a professional profile that stands out to recruiters and makes you an ideal candidate.

## Resume Crafting

Create a resume that stands out in the crowd. Master the art of tailoring your resume to each job description, increasing your chances of getting shortlisted effortlessly.

## Mock Interviews

Practice for your big day with experts and mentors. Get the feedback to be ready to perform when you get the chance.



# CORE DATA FOUNDATIONS

## MODULE – 1

 DURATION : 3 WEEKS

## INTRODUCTION TO DATA SCIENCE

### TOPIC : 1

#### What is Data Science?

- Definition and importance in modern business and technology
- Overview of the data science lifecycle

### TOPIC : 2 Mathematics and Statistics

#### Descriptive Statistics

- Mean, median, mode, variance, standard deviation
- Measures of central tendency and spread

#### Probability and Distributions

- Probability theory, Bayes' theorem
- Probability distributions: Normal, Poisson, Binomial



# CORE DATA FOUNDATIONS

## MODULE – 2

 DURATION : 3 WEEKS

## DATA PROCESSING AND EXPLORATORY DATA ANALYSIS

### TOPIC : 1

#### Data Handling and Manipulation with Pandas

- Data cleaning and transformation
- Merging, reshaping, and grouping data
- Time series dataTime series data

#### Data Visualization with Python

- Data visualization basics with Matplotlib and Seaborn
- Creating various types of plots (line, scatter, bar, histograms, heatmaps)



# CORE DATA FOUNDATIONS

## MODULE - 2

 DURATION : 3 WEEKS

## DATA PROCESSING AND EXPLORATORY DATA ANALYSIS

### TOPIC : 2

#### Data Transformation and Feature Scaling

- Normalization, standardization, and encoding categorical variables
- Dealing with imbalanced datasets

#### Data Wrangling with Python

- Advanced techniques using Pandas and NumPy
- Working with messy data and performing ETL tasks

### TOPIC : 3 Exploratory Data Analysis (EDA)

#### Understanding EDA

- Importance of EDA in the data science pipeline
- Visualizing data distributions, relationships, and patterns



# CORE DATA FOUNDATIONS

## Techniques and Tools for EDA

- Using Pandas, Matplotlib, and Seaborn for EDA
- Identifying trends, correlations, and anomalies
- Summary statistics and visual exploration of datasets

## Unsupervised Learning Algorithms

- Clustering: K-Means, DBSCAN, Hierarchical Clustering
- Dimensionality reduction: PCA (Principal Component Analysis)
- Association rules and recommendation systems



# CORE DATA FOUNDATIONS

**MODULE – 3**

 **DURATION : 4 WEEKS**

## **MACHINE LEARNING FUNDAMENTALS**

**TOPIC : 1**

### **Supervised Learning Algorithms**

- Linear Regression, Logistic Regression
- Decision Trees, Random Forests, and Gradient Boosting
- Support Vector Machines (SVM) and k-Nearest Neighbors (k-NN)

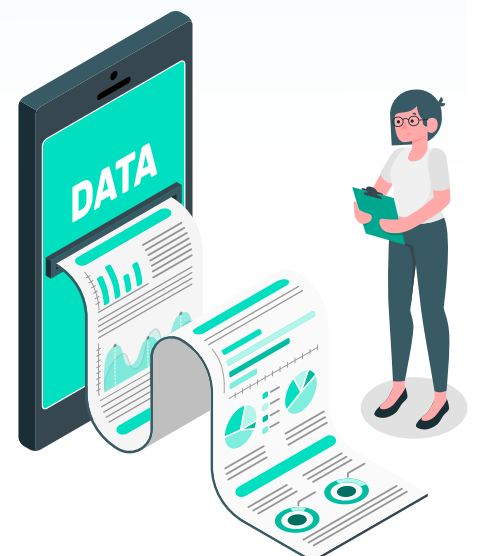
**TOPIC : 2 Model Evaluation and Validation**

### **Model Evaluation Metrics**

- Accuracy, precision, recall, F1-score, ROC-AUC
- Confusion matrix and evaluation on imbalanced datasets

### **Cross-Validation and Hyperparameter Tuning**

- k-Fold Cross-Validation
- Grid Search and Random Search for hyperparameter tuning





# CORE DATA FOUNDATIONS

## MODULE – 3

## MACHINE LEARNING FUNDAMENTALS

### TOPIC : 3 Advanced Machine Learning Techniques

#### Ensemble Methods

- Bagging (Random Forest) and Boosting (Gradient Boosting, XGBoost)
- Stacking and Voting classifiers



# CORE DATA FOUNDATIONS

**MODULE - 4**

 **DURATION : 2 WEEKS**

## **BIG DATA AND CLOUD COMPUTING**

**TOPIC : 1**

### **Big Data Overview**

- Introduction to big data technologies (Hadoop, Spark)
- Distributed computing and data storage

### **Cloud Platforms for Data Science**

- Cloud-based tools: Google Cloud
- Working with cloud storage (Google Cloud Storage)



# THANKYOU

## Contact Us



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