



Trendnologies

Upskill & Upgrade Your IT Career

CHENNAI | BANGALORE | COIMBATORE

100% Placement Guarantee
Supporting Job seekers in career Change
and skill enhancement program



DATA SCIENCE Training



Data Science combines math and statistics, specialized programming, advanced analytics, artificial intelligence (AI) and machine learning with specific subject matter expertise to uncover actionable insights hidden in an organization's data. These insights can be used to guide decision making and strategic planning. The accelerating volume of data sources and subsequently data has made Data Science one of the fastest growing fields across every industry.

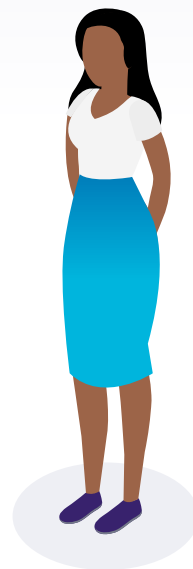
TRENDNOLOGIES – DATA SCIENCE Training

100% placement assurance

SUPPORT JOB SEEKERS IN CAREER CHANGE AND UPSKILL PROGRAM.

We work with job seekers to meet them exactly where they are by offering personalized, customized support to meet their needs while assisting them in navigating their next career opportunity. Faced with the current realities of an ever-changing workforce, we believe our placement services must meet individuals exactly where they are. Our customized and personalized Training and Placement programs offers better career. More details visit:

WWW.TRENDNOLOGIES.COM



Audience for the Course



IT professionals , Software testers , System administrators , Solution architects , Security engineers , Application developers ,Integration specialists , windows Administrators, Java Developers, Data analysts and database administrators, Database Administrator, System architects, IT managers, IT administrators and operators, IT systems engineers, data engineers and database administrators, data analytics administrators, cloud, web engineers, Project Managers, Software Architects, ETL and Data Warehousing Professionals, Data Engineers, Data Analysts & Business Intelligence Professionals, DBAs and DB professionals, Senior IT Professionals, Testing professionals, Mainframe professionals, Graduates looking to build a career in IT Field.

Pre-requisites and Eligibility

There are no pre-requisites for Data Science. However, a basic understanding of computer science technicalities. Don't worry, we will cover fundamentals in detail in our course



DATA SCIENCE Syllabus



Chapter 1 – Introduction

- ▶ Data Science introduction
- ▶ Course Plan
- ▶ Evolution of Data Science
- ▶ Job Roles in Data Science
- ▶ Difference Between Analytics & Data Science
- ▶ Data Science Application Examples
- ▶ Data Science Project Flow
- ▶ Why statistic concepts covered last?
- ▶ What should be the Key take away from the course?



Chapter 2 – Python Programming

- ▶ Introduction & Set up
- ▶ Data types and its uses
- ▶ Operators and statements
- ▶ Functions and methods
- ▶ Libraries and Packages – Data Science relevant



Chapter 3 – Data Science Project Flow

- ▶ DS Project flow in Detail
- ▶ Technologies used in each layer
- ▶ Where is SQL needed?
- ▶ Where is Visualization needed?

Chapter 4 – Visualization using Python

- ▶ DATA VISUALIZATION TECHNIQUES - PYTHON
- ▶ Building plots using seaborn library
- ▶ Types of plots in python

Chapter 5 – K Means Clustering Algorithm

- ▶ What is a Clustering Problem?
- ▶ Statistics behind K Means Clustering Algorithm
- ▶ Building a K Means Clustering Model in Python
- ▶ Project 1
- ▶ Project 2

Chapter 6- KNN Algorithm

- ▶ What is a classification problem?
- ▶ KNN Algorithm
- ▶ Statistics behind K Nearest Neighbors Algorithm
- ▶ Building a K Nearest Neighbors Model in Python
- ▶ Building a K Nearest Neighbors Model in R
- ▶ Project 3
- ▶ Project 4

Chapter 7– Logistic Regression

- ▶ **Logistic Regression Algorithm**
- ▶ **Statistics behind Logistic Regression Algorithm**
- ▶ **Building a Logistic Regression Model in Python**
- ▶ **Building a Logistic Regression Model in R**
- ▶ **Project 5**
- ▶ **Project 6**

Chapter 8-Decision Trees

- ▶ **Decision Trees Model**
- ▶ **Statistics behind Decision Trees Algorithm**
- ▶ **Building a Decision Trees Model in Python**
- ▶ **Project 7 & 8**

Chapter 9 – Random Forest

- ▶ Random Forest Model:
- ▶ Statistics behind Random Forest Algorithm
- ▶ Building a Random Forest Model in Python
- ▶ Project 9 & 10

Chapter 10 - NLP & Text Analytics

- ▶ What is NLP/ Text Analytics & Uses?
- ▶ Stemming & Lemmatizing
- ▶ Stop words & Parts Of Speech Tagging
- ▶ Similarity Calculation Technique
- ▶ Project 11

▶ Chapter 11 - NLP & Text Analytics

- ▶ **Milestone Project 1 in NLP (Project 12)**

Chapter 12 – Text Classifier Model

- ▶ **What is Naive Bayes Classifier Model**
- ▶ **Statistics behind Naive Bayes Classifier Model**
- ▶ **Project 13 & 14**

▶ Chapter 13 - Chat Bot & Voice Bot

- ▶ **Project 15: Build a Chat Bot and a Voice Bot using Python**

Chapter 14 - OCR - Extract Text from Image

- ▶ OCR
- ▶ What is OCR?
- ▶ Simple Image to Text Conversion
- ▶ Enhanced Image to Text Conversion
- ▶ Project 16: Batch text extraction from PDF files using Python
- ▶ Project 17

Chapter 15 - Linear Regression

- ▶ **Statistics behind Linear Regression Algorithm**
- ▶ **Building a Linear Regression Model in Python**
- ▶ **Project 18**

Chapter 16 - Deployment Of ML Model

- ▶ **Deploying the ML models to production – Python**

▶ Chapter 17 & 18 - SQL

- ▶ **SQL Query Language**

Chapter 19 - Machine learning Milestone Project 1

- ▶ **Project 19**

Chapter 20 - Machine learning Milestone Project 2

- ▶ **Project 20**

Chapter 21 - Building Resume & GitHub Portfolio

- ▶ Detailed discussion on building Resume
- ▶ In class - hands on GIT HUB portfolio building with projects done during the course

▶ Chapter 22 - Statistics

- ▶ **Needed Statistics Concepts**

Chapter 23 - Queries and Revision

- ▶ **Course Completion Session / Queries/ Revision**



Chapter 24 – Interview Questions

Chapter 25 – Mock Interview and Mock Interview Answers



Check for Understanding -
Activity / Practice / Quiz /
Assessment

BATCHES

Week days batch

- ▶ Class Room training
- ▶ Online Instructor LED training
- ▶ Online Self-paced training

Weekend batch

- ▶ Class Room training
- ▶ Online Instructor LED training
- ▶ Online Self-paced training

Fast track batch

- ▶ Class Room training
- ▶ Online Instructor LED training
- ▶ Online Self-paced training

Our End to End Placement process



Why Trendnologies

- ▶ 12+ years of delivering exceptional service to candidates in Training and placements
- ▶ Fast Track Placement in 30 days
- ▶ 100% Placement assurance
- ▶ Managed by IT Experts as Trainers
- ▶ Customized support addressing your needs
- ▶ Personalized consulting, planning and support
- ▶ Job oriented theoretical & Practical Classes
- ▶ More focus on hands-on and use cases
- ▶ Focused on case studies and Real-time projects
- ▶ Complete end to end training soft material
- ▶ Guidance for Resume preparation and interview preparation
- ▶ Training along with Career guidance and Certification guidance
- ▶ Comprehensive career solutions across India, USA, UK and UAE

KNOW ABOUT OUR TRAINERS TEAM

- ▶ Trendnologies training in Chennai is led by experts with over a decade of experience. Additionally, our Trainers at TRENDNOLOGIES assist and guide you for certification examinations
- ▶ Administrated and mastered by highly skilled industry experts with 20+ years of strong IT experience in leading MNC companies as Architect and Senior Technical consultant
- ▶ 10+ Years of Hands-on expertise in IT industry
- ▶ Our Trainers are certified professionals with 9+ years of experience in their respective domains as well as they are currently working with Top MNCs
- ▶ 10+ years of delivering exceptional service to candidates in Training and placements
- ▶ Completed 100+ classroom and 100+ online batches successfully
- ▶ Our instructors are industry experts and subject specialists who have mastered the art of running applications and giving students with the Best training
- ▶ We have earned various significant awards from renowned IT firms Training in Chennai

KNOW ABOUT OUR TRAINERS TEAM

- ▶ Trained and Placed over 3000+ professionals in a single year
- ▶ Experience professional and Placement oriented instructional technical trainers.
- ▶ Proven ability to plan and execute programs on time.
- ▶ Knowledge of "current best practices" and the latest research in the use of technology to enhance teaching and learning.
- ▶ Our Trainers have worked on a variety of on-going projects in their respective industries.
- ▶ Trainers also assist candidates in being placed in their particular companies through the Employee Referral / Internal Hiring procedure.

KEY FEATURES

- ❖ 100% Placement guarantee
- ❖ Career Oriented Training
- ❖ Hands-on with Case Studies
- ❖ Industry Expert Faculties
- ❖ Fast track placement mode
- ❖ Managed and mastered by highly skilled Industry Experts

- ❖ Both Classroom Training and Online Training
- ❖ Complete Career Guidance
- ❖ Mock Tests and Interviews
- ❖ Resume Preparation and Interview preparation support
- ❖ Multiple revision classes through our training library
- ❖ Placement in Top MNC Company

- ❖ Online Professional Certification assistance
- ❖ Technical Job Support after course completion and Placement
- ❖ Hands-On Salesforce Training with Certification
- ❖ Job Assistance | Access to official content aligned to exam
- ❖ Practice Labs & Projects with integrated Cloud labs
- ❖ Support 24/7 * 365 days

BRANCHES - CHENNAI

Annanagar Branch I

F22, 2C & 2D, Second floor,
Second Main Road,
Annanagar East,
Chennai - 600102
86819 62962

Medavakkam Branch

#29, M.S Complex,
Second Floor,
Anna Street,
Medavakkam.
Chennai - 600100
84288 88962

Annanagar Branch II

New no. 83, Old no. M-9-B, M
Block
Annanagar East,
Near K4 Roundtana,
Chennai - 600102
86809 62962

Placement Division

F22, 3D third floor,
Second Main Road,
Annanagar East,
Chennai - 600102.
91763 62962

BRANCHES - COIMBATORE

Coimbatore Branch I

#778, Mettupalyam Road,
R S Puram
Coimbatore – 641002
93600 93938

Coimbatore Placement Division

KB complex 105 ,
Lokamanya Street East,
R S Puram ,
Coimbatore – 641002
8428444962



BANGALORE Branch

**#421, 4th floor South
block Manipal centre,
MG Road
Bengaluru – 560042
84286 66962**

THANKS!

Visit our website for more details :
WWW.TRENDNOLOGIES.COM

