UNVEIL NEW INSIGHTS:

Get Mastery over Data Analytics

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Data Analytics
Course Mission

SevenMentor Institute leads the way in providing cutting-edge IT Training and Skill Development across India. We have strived to establish an ideal learning atmosphere at all our training centers. We prepare our students to become dependable future professionals. Our institute aspires to promote universal access to learning for students. To achieve our mission of promoting better learning we invite all students to enroll in our Data Analytics. Join us today to make a fulfilling career in Data Analytics.

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Data Analytics STATISTICS:

INDUSTRY
INSIGHTS

80% Companies will use some form of Data Analytics based Application

55% Year on Year Growth For All Data Analytics Jobs

Learn Data Analytics and
Be in Demand Always!

Data Analytics, the detective of the data world, is the process of examining, cleaning,transforming, and interpreting data to uncover valuable insights and support informed decisionmaking. Think of it as the investigative workhorse that scrutinizes data trails, follows clues, and solves data mysteries. It's the driving force behind business optimization, helping organizations fine-tune strategies, identify trends, and make data-informeddecisions. In the realm of data analytics, data becomes your evidence, and analytics tools are your magnifying glass, revealing the hidden stories within the numbers. So, get ready to don your digital detective's hat and embark on a thrilling journey through the world of data analytics, where each dataset is a puzzle, and every analysis reveals a piece of the narrative!

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Get What
Suits You the Best?

We have a trifurcated training program that can take you from a new entrant to an expert professional. Join in as a beginner, intermediate or an advanced level student based on your current knowledge and skill level. With well spaced batches and precise scheduling you can achieve your preferred learning outcome easier than anywhere else.

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SevenMentor is a Complete Package

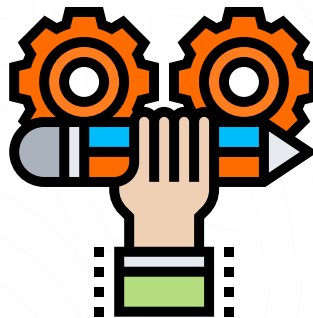A training institute that brings everything together to give you the best possible learning experience!
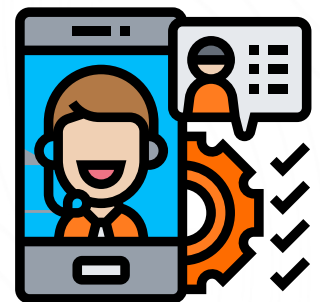
Experienced Faculty	**Flexible Scheduling**	**Hands-On Learning**
Mock Interview Sessions	**Real-World Projects**	**Career Support**
Comprehensive Curriculum	**Lifetime Access**	

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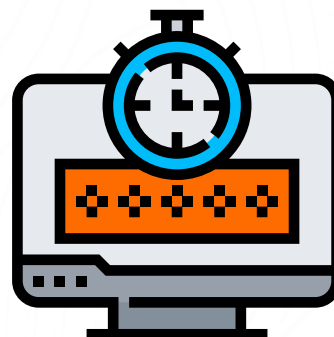
PYTHON

Introduction

- What is Python and history of Python?
- Installing Anaconda, Jupyter Notebook
- First Program
- Python Identifiers, Keywords and Indentation
- Comments
- Getting User Input
- Python Data Types
- What are keywords
- What are variables?
- Python Inbuilt Functions

Control-Flow Statements:

- if-else
- Elif
- While loop
- For loop
- Range Function
- Break
- Assert
- Pass
- Return
- Coding Assignment

Data Structures:

- What are Data Structures?
- Lists in Python
- Code Walkthrough on Lists
- Understanding Iterators
- Tuple in Python
- Code Walkthrough on Tuple
- Dictionaries in Python
- Code Walkthrough on Dictionaries
- Sets in Python
- Code Walkthrough on Sets
- More examples on Data Structures

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Functions:

- What are functions in Python?
- Defining and Calling Functions
- Inbuilt Functions
- User Defined Functions
- Lambda Function
- Split Function
- Strip Function
- Map Function
- Filter Function
- Format Function
- Code Walkthrough on User Define Functions
- Regular Expressions Basics

Object Oriented Programming:

- Why do we need Object-Oriented Programming?
- What is a class?
- What is an object?
- What is Self?
- Constructors
- Global and local variables
- Static and Dynamic Variables
- Abstraction
- Inheritance
- Encapsulation
- Polymorphism
- Code Walkthroughs on OOP

Exception Handling and GUI :

- Why do we need to handle exceptions?
- Errors in Python
- Compile-Time Errors
- Runtime Errors
- What is Exception?
- try....except...else
- try-finally clause
- Raising an exceptions
- User Defined Exceptions
- Graphical User Interface in python
- Tkinter
- Button Widget ,Label Widget and Text Widge

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Miscellaneous Topics :

- SQL connection with Python using SQLITE Library
- Multi-Threading and Multi-Processing
- Introduction to Web-scraping
- Beautiful Soup Library
- Numpy Library for Data Analysis
- Code Walkthrough On Numpy Library
- Pandas Library for Data Analysis
- Code Walkthrough On Pandas Library
- Matplotlib Library for Data Analysis
- Code Walkthrough On Matplotlib Library
- Revision Sessions
- Assignment Discussions

Project Discussion:

- Defining the Business Problem
- Constraints
- Flow Diagram
- Libraries Used
- Results and Conclusion
- Future Scope
- References

SQL

Introduction:

- What is SQL?
- Why do we need SQL?
- What is DataBase Management System?
- Types of DBMS
- Execution Of SQL query
- Difference Between SQL and MYSQL
- Introduction to MySQL
- Installation of MySQL server
- Download sample database
- Load sample database to work

Basic SQL Keywords:

- Basic SELECT Statement
- Limit/Offset
- OrderBy
- Distinct
- Where
- Comparison Operators
- Null
- Logical Operators
- Aggregate Operators(Count, Max, Min, Avg, Sum)
- Group By
- Having
- Order Of Keywords
- Wildcard Operators

JOINS:

- What are Joins?
- Inner Join
- Quter Join
- Left Join
- Right Join
- Self Join
- SubQueries/NestedQueries /Inner Queries
- Triggers
- Stored Procedures

DMIL/DDL

- DML.:Insert
- DML.:Update, Delete
- DDL:Create Table
- DDL.:Alter:Add,Drop,Modify
- DDL.:Drop Table, Truncate,Delete
- DCL:Data Control Language: GRANT,REVOKE

Advanced Excel

- Date And Time Functions
- Customizing Excel
- File Formats.
- Advanced Paste Special Techniques
- Using Basic Functions
- New In Excel 2013 / 2016 & 365
- Formatting And Proofing
- New Charts - treemap & Waterfall
- Using Power Map And Power View
- Quick Analysis Tool
- Mathematical Functions
- Sorting And Filtering
- Various Charts Gantt Chart, Doughnut Chart, Pie, Column & Area Chart
- Sorting Data Using Custom Sort
- Dashboard Designing
- Data Validation, Creating Drop Down Lists Using Different Data Sources
- Protecting Excel
- Text Functions
- Printing Workbooks
- What If Analysis
- Pivot Tables
- Logical Functions
- Arrays Functions
- Data Validation
- Charts And Slicers
- Lookup Functions
- Smart Lookup And Manage Store
- Excel Dashboard

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Introduction to Power BI

- Introduction to Data warehouse
- Data warehouse Tools
- What is Power BI?
- Power BI – Flow of Activity
- Building Blocks of Power BI
- Power BI – Primary Tools : Power Pivot, Power Query,
- Power View, Power Map, Power Q&A, Power BI Desktop

Power BI Desktop

- Power BI Desktop – Install
- Data Sources and Connections
- Connect to Data in Power BI Desktop
- How to use Query Editor in Power BI
- Advanced Data Changes and Transformation
- Views in Power BI Desktop
- Modeling Data - Manage Data Relationship,
- Create Calculated Columns, Optimize Data Models

Data Analysis Expressions (DAX)

- Data Types in DAX
- Calculation Types
- DAX Functions: Date and Time, Time Intelligence,
- Information, Logical, Mathematical, Statistical, Text
- Aggregate Measures in DAX
- Table Relationships and DAX

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Data visualization

- Why Data Visualization
- Practices for Data Visualization
- How to use Visual in Power BI
- Reports in Power BI
- Charts in Power BI (Scatter, Waterfall, Funnel)
- Slicers
- Map Visualizations
- Gauges and Single Number Cards

Custom visualizations

- What Are Custom Visuals?
- Office Store
- Downloading Custom Visuals
- Importing Custom Visuals in Power BI Report
- KPI Visuals
- Data Binding in Power BI

Power BI Services

- Introduction To Power BI Services
- Licensing Part For Power BI
- What Is Data Gateways & Content Packs
- Power Bi Workspace
- Data Gateways And Configuration
- Power App,report Publishing
- Dashboard Creation And Usages
- Pinning Visuals And Report Pages
- Applying Rls To Reports
- Adding Of Tiles To Dashboard
- Power BI Datasets
- Publishing And Sharing Of Reports

Power BI Q&A

- Power BI Q&A
- Dashboard
- Dashboard vs Reports
- Creating a Dashboard
- Dashboard Tiles
- Pinning Tiles
- Quick Insights with Power BI
- Power BI Publisher for Excel

Probability and Stats

- Why do we need to learn Probability and Statistics?
- Descriptive Statistics Central Tendency (Mean/Median/Mode)
- Deviation (Standard Deviation/Variance)
- Population and Sample
- Distributions
- Why do we care about Distributions?

Distributions and Various Tests:

- What is Random Variable?
- Discrete and Continuous Random Variable
- Normal Distribution/Gaussian Distribution
- PDF and CDF of Gaussian distribution
- Uniform Distribution
- Q-Q Test
- K-S Test
- What is Sampling?
- Types of Sampling

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Inferential Statistics:

- Correlation Vs Causation
- Hypothesis Testing
- Confidence Interval
- Permutation Resampling Test
- A/B Testing

Industry Case Studies

- Case Study-1
- Case Study-2

TABLEAU

- Introduction to Tableau
- Overview of Tableau
- Data visualization and analytics
- Elements of the Tableau dashboard
- Understanding the significance of Tableau Desktop and Tableau Server
- Extensively work with data visualization using line, bar, area, stacked bar, and multiline charts
- Connecting with Excel data

Deep dive into Tableau Graphs

- Deep dive into Tableau Graphs
- Various data representation techniques
- Like Tables
- Graphs and Maps understanding the basics of Tree Map
- Histogram
- Filled Map
- Symbol Map
- Pie Chart
- Trend Lines

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Normal Tables and Multi measure Tables

- Tableau Table Joins
- Understanding the conditions and methodology for joining Tables
- Knowledge of Multi Table Joins
- Working with Metadata
- Working with Table
- Creation of Calculated Fields
- Duplicating and renaming columns
- Conversion of data types
- Default aggregation

Hierarchy & Groups

- Tableau Hierarchy creation
- Static Group creation
- Deploying functions for Group creation

Tableau Sorting

The various options of Sorting in Tableau

Sorting of Multi-dimensional graph

Deploying combined fields and setting sorting priorities

Dual Axis Graphs

- Working with Dual Line Charts
- Multiline Chart
- Donut Chart
- Pie Chart
- Working with Measure Name and Measure Values
- Learning about the different type of Single Axis Histogram
- Dual Axis Histogram

Histogram

- Learning about the different type of Single Axis Histogram
- Dual Axis Histogram

Pareto Chart

- Understanding how to design and work with Pareto Chart

Box Plot

- Representation of numerical data through quartiles using Box Plot

Motion Chart

- Deploying Motion Chart for data that changes over
- time using x and y axes

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Funnel Chart

Working with Funnel Chart for data that progressively reduces with each stage.

Waterfall Chart

Deploying Waterfall Chart for understanding the cumulative effect of sequential values

Sets

Understanding the concept of Set which is an entity whose composition is based on a computed condition

String Calculated Fields

Learning how to perform various operations on Strings like concatenation Manipulation and analyzing with String Calculated Fields

Date Calculated Fields

Working with Date Calculated Fields for performing operations like parsing Modifying and analyzing

PLSQL

Introduction To PLSQL

- Informal introduction to PLSQL
- Advantages of PLSQL
- Datatypes in PLSQL
- Program structure of PLSQL
- Embedding SQL statements
- Using conditional statements and loops

Creating And Using Cursors

- What is cursor?
- How to create cursor?
- Using cursors in PLSQL
- How to create explicit cursor?
- Creation of for loop cursor
- What are cursor parameters?
- How to use for update clause?
- What is ref cursors?
- How to use implicit cursors?

Understanding Exception Handling

- What is an Exception?
- Describing Exception types
- Handling system defined exceptions
- Handling user defined exceptions?
- Sql code vs Sql errm
- Pragma exception_init

Creation Of Stored Procedures

- Creating procedures in PLSQL
- Working with procedure parameters
- IN parameter
- OUT parameter
- INOUT parameter
- How to create procedures with cursors
- How procedures return records?
- What is Pragma autonomous transaction?

Creating & Using Functions

- Importance of function
- How to create functions?
- Difference between procedures and functions
- How to use inline functions?

Triggers In PLSQL

- How to create triggers?
- Benefits of trigger
- How to trigger a trigger?
- Using DML trigger & DDL trigger
- How to audit database using triggers?
- What are database level trigger?

Creating & Using Packages

- What is a Package?
- Reasons to use packages
- What is package specification?
- What is package body?
- How to instantiate package?
- How to initialize instantiated package?
- What are all the package state?

Collections In PLSQL

- What is collection?
- How to use arrays?
- Using nested tables
- How to use index by value?
- Listing types of collection methods.
- General overview and discussion about DBA Concepts

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Your Success Is Our Priority:

Every student at **SevenMentor** gets personalized guidance, Mentorship, and ample opportunities to address individual questions and concerns. All our sessions are designed to be engaging, interactive, and tailored to your learning pace, ensuring you grasp each concept with clarity.

Nishesh Gogia
Data Scientist
(SevenMentor Private Limited)

He is passionate about cutting edge technologies in Machine Learning and AI.He is also leading the Project Team and has implemented a chatbot for the company.He is a student of IIT Madras.

Aniket Kulkarni

He have theorotical as well as practical experience in the field of ML. I did M Tech and have 10+ years of Industrial and Academic experience.
Currently working as Data Science Trainer.I have trained 2000 + professionals and students for the course of Python, SQL, Power BI, Machine Learning and Deep Learning.

Suraj Kale

He is experienced With an extensive 8+ year track record, he stands as a seasoned Data Scientist. His expertise lies in delivering all-encompassing training encompassing data analytics, machine learning, and statistical modeling for professionals. Renowned for his knack for unraveling intricate concepts, nurturing practical skills, and propelling learners to excel in the data-dominated corporate realm.

Sagar Gade

Working as a Data Science Trainer. Has been actively involved in the training sessions with Data Science Aspirants. I have trained more than 300+ professionals and students in Python, SQL, Django, Probability & Statistics, Machine Learning and Data Science. My Total Experience is 2+ years in Python and Data Sci. related areas. Junior Python and Data Analytics post work experience as well as Python Machine Learning Applications.

We Are More Than Trainers:

At SevenMentor Institute our commitment goes beyond merely imparting knowledge. We understand that your journey in Data Analytics is not just about learning algorithms and techniques—it's about transforming your career and shaping your future. That's why we proudly embrace the roles of counsellors and advisors, alongside being your trainers.

Thus, being a part of SevenMentor means you're joining a community of learners, advisors, and industry experts who are dedicated to your success. Your journey doesn't end with the courses—it's just the beginning of a lifelong partnership that extends beyond the classroom.

Deepali Shinkar

She is a versatile professional with strong background in both Python data science and Django web development. Programming language expert with 14 years teaching/training experience in computer science nd information technology. My expertise spans a wide range of data science domains, including machine learning, data analysis, and statistical modeling. I have a deep understanding of Django's architecture and best practices, enabling me to create future-rich and secure web solutions.

Karishma Pawar

Karishma holds a PhD in Computer Engineering, specializing in cutting-edge fields including Artificial Intelligence and Machine Learning. In addition to more than 8 years of experience in Data Science, remarkable publications in peer-reviewed journals and conferences are to her credit. She has previously worked with Avaya and Infosys, and demonstrated a commitment to advancing the frontiers of knowledge.

GET GOING RIGHT FROM WHERE YOU ARE:

Whether you're a recent graduate or an experienced professional looking to upskill, SevenMentor's Data Analytics Course caters to all individuals aspiring to harness the potential of data to drive informed decisions.

Leverage our **Career Guidance Services** to understand current market trends & opportunities.

Practice real world scenarios and attend **Demo Interviews** to polish your Data Analytics confidence

Stand out from the crowd; our career counselors will guide you through **Portfolio and Resume Building** exercises

Our **100+ Hiring Partners** are ready to hook you up to the most outstanding opportunity right after your certification
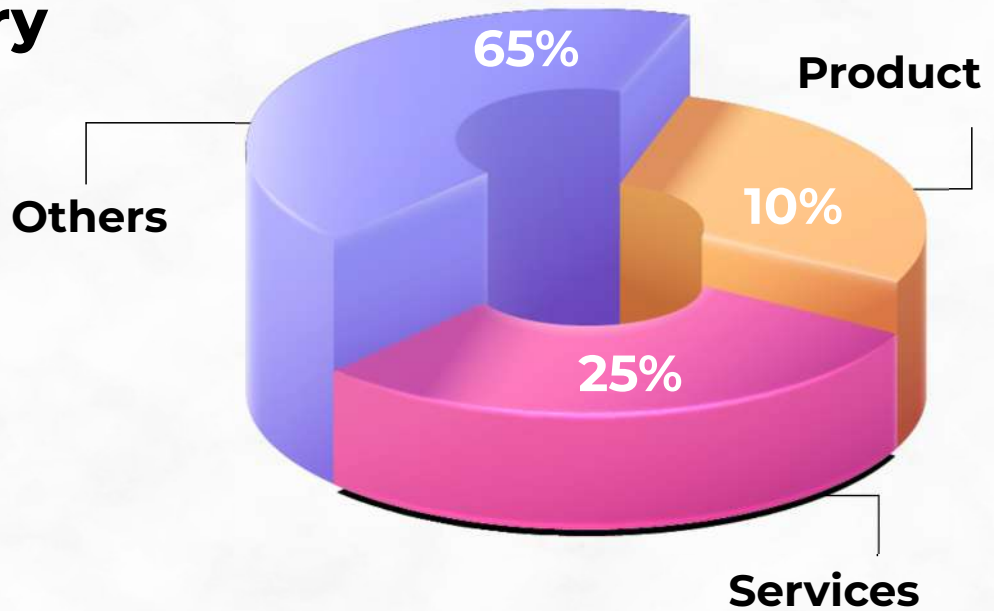
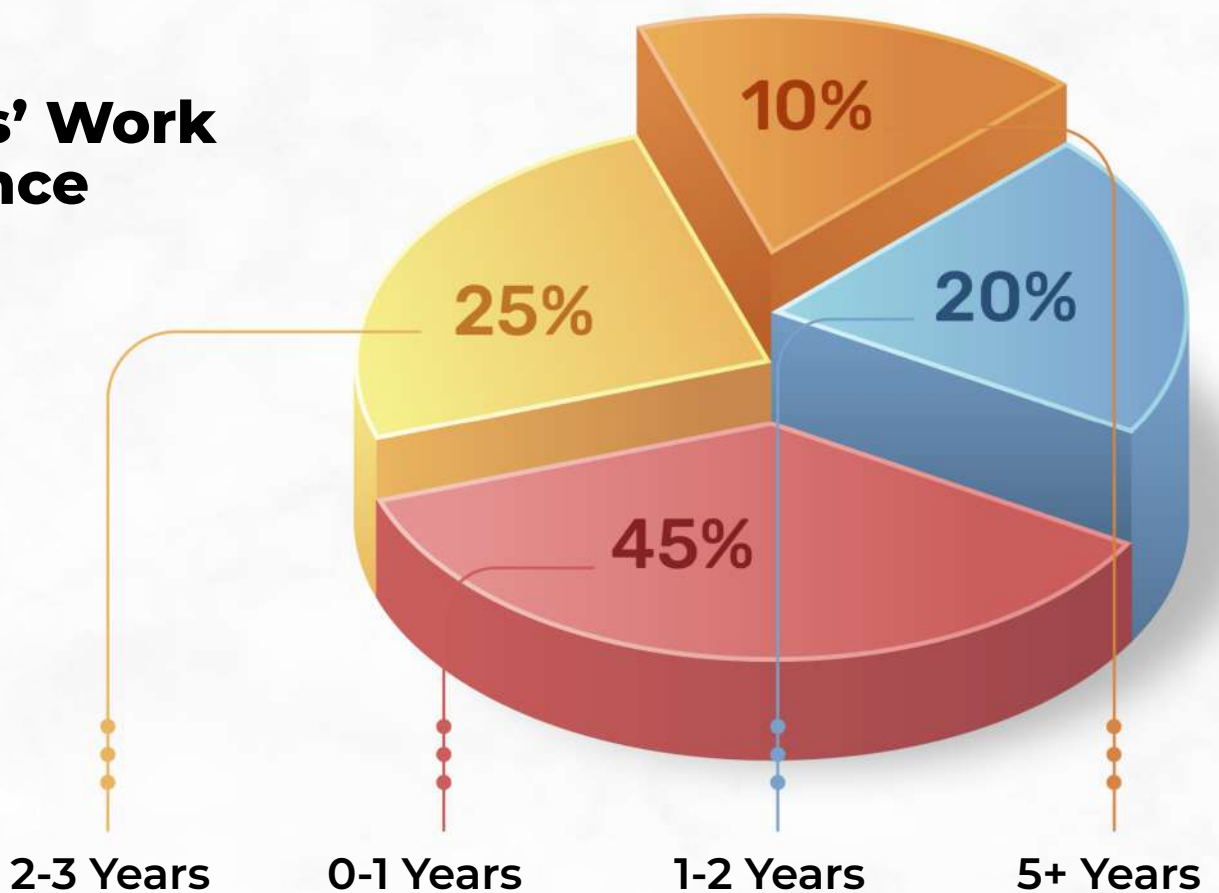# Our Students are at reputed Tech Companies

Make an impact that lasts long!

Whether you're a recent graduate or an experienced professional looking to upskill, SevenMentor's Data Analytics Course caters to all individuals aspiring to harness the potential of data to drive informed decisions.
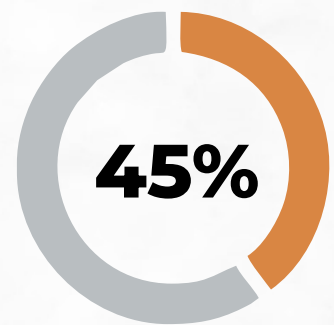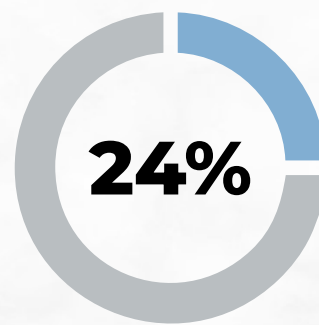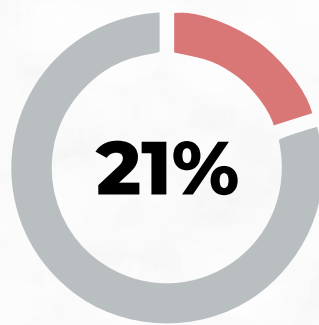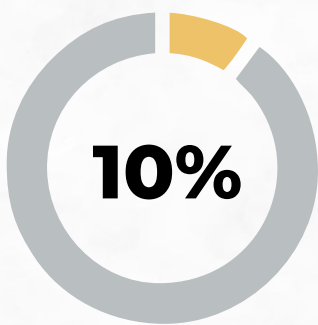
Learners' Industry Background

65%

Product

Others

10%

25%

Services

Learners' Work Experience

10%

20%

25%

45%

2-3 Years   0-1 Years   1-2 Years   5+ Years

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Learners' Expertise

10%   **21%**   **24%**   **45%**
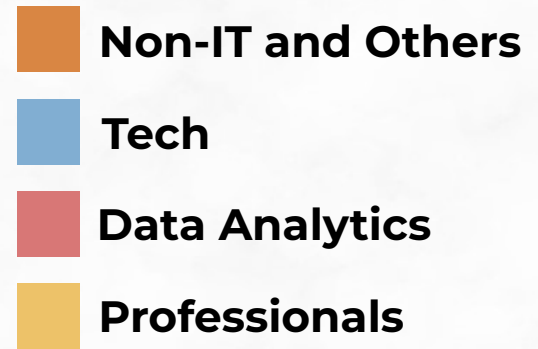
A BRIGHT FUTURE IS AWAITING YOU
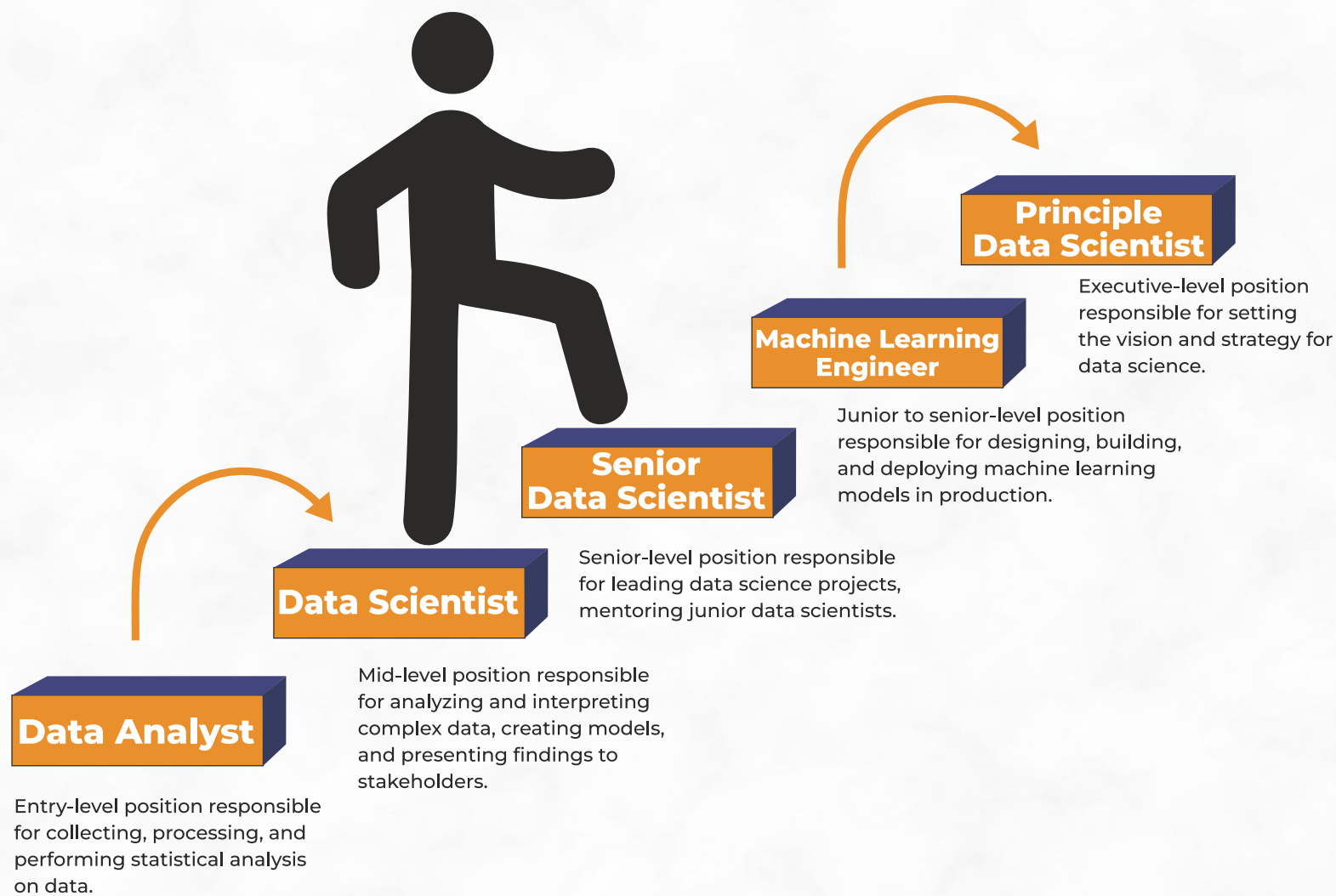
The global **Data Analytics** job market is expected to grow by 44% from 2021 to 2030, creating 3.5 million new jobs.
In India it is expected that 309,000 new **Data Analytics** jobs will be available by 2030, accounting for 9% of the global demand. The average salary for an **Data Analytics** professional in India is approximately Rs. 12 to Rs. 15 Lakhs per annum.

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CAREER GRAPH

Principle Data Scientist

Executive-level position responsible for setting the vision and strategy for data science.

Machine Learning Engineer

Junior to senior-level position responsible for designing, building, and deploying machine learning models in production.

Senior Data Scientist

Senior-level position responsible for leading data science projects, mentoring junior data scientists.

Data Scientist

Mid-level position responsible for analyzing and interpreting complex data, creating models, and presenting findings to stakeholders.

Data Analyst

Entry-level position responsible for collecting, processing, and performing statistical analysis on data.

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Learning Made Affordable:

SevenMentor understands that investing in your education is a significant decision. Therefore, we provide the most affordable fee structure for our Data Analytics courses. We also offer flexible fee payment options and have discounts and offers available from time to time. We also accept all modes of payments such as cash, cards and UPI.

Before enrolling you can also schedule one demo training session at no cost. You can contact us for the demo session or detailed fee structure.

HOW TO START YOUR CAREER IN DATA SCIENCE?

- Enroll at **SevenMentor Institute**

- Get hands-on training from **Experienced Teachers**

- Receive Industry-recognized **Data Analytics**
- **Certification**

- Work for leading **MNCs** through our **on-campus interviews**

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WE ARE THERE FOR YOU

We are committed to providing you with a seamless enrollment experience and helping you make the best choice for your Data Analytics journey. Connect with us for more insights.

Request For Call Back

📞 **020 7117 1500**