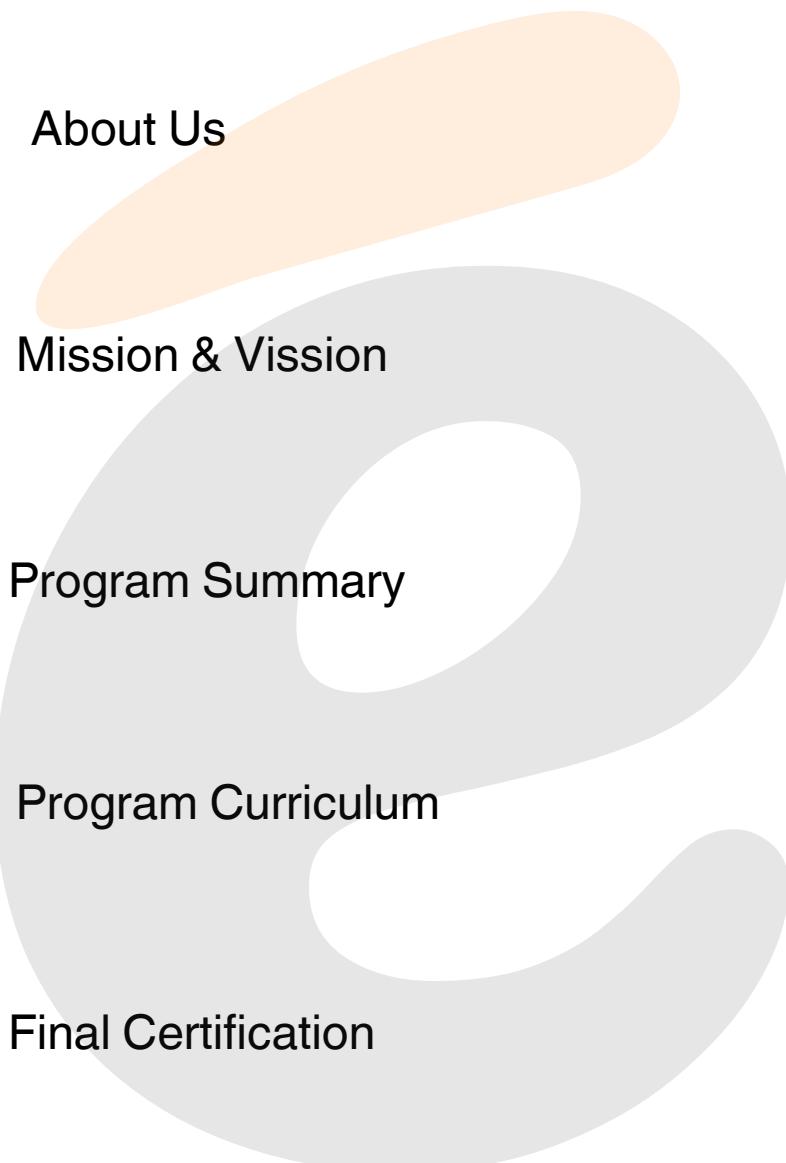


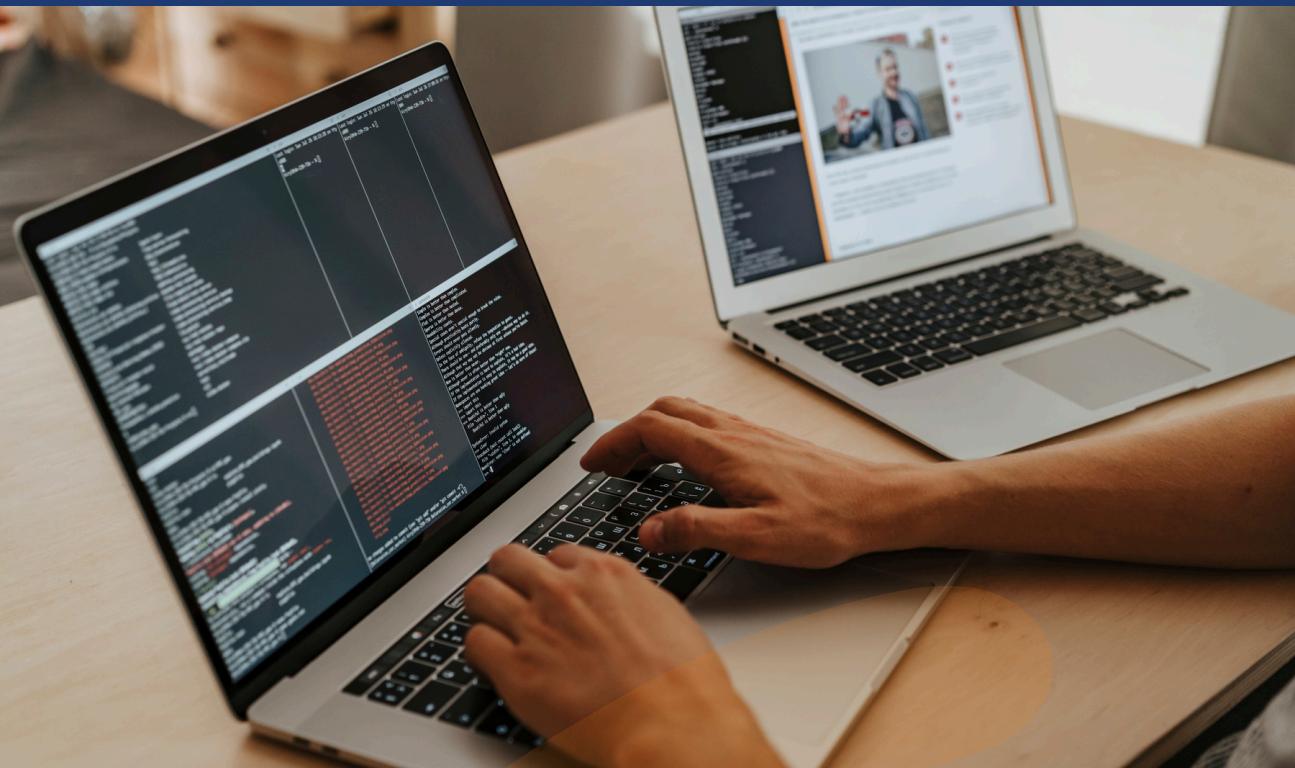
# DATA SCIENCE & AI MASTER CERTIFICATION

## Program



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# About Us.

**Edynoor** is a smart learning platform that personalizes education with interactive tools and progress tracking. Built for students and educators alike, it enhances learning experiences. A [Cloudare product](#), Edynoor brings innovation to education.

# # COMPANY VALUES



# Mission & Vision.

## MISSION

Bridging the gap between traditional education and modern learning, Edynoor offers intuitive, tech-driven solutions that create personalized learning journeys for students and educators. By empowering institutions and fostering a culture of curiosity, creativity, and continuous growth, we equip individuals with real-world skills and the confidence to make data-driven decisions.

## VISION

Revolutionizing education through innovation, Edynoor strives to make quality learning accessible, engaging, and empowering for every learner, everywhere—fostering a global community of thinkers, creators, and changemakers.

# Program Summary



## TRAINING MODE

**100% Live Online & Hybrid (Online + Recorded)**



## PROGRAM FACULTY

Renowned industry experts from top global MNCs



## PROGRAM DURATION

**5 to 6 months** (modular)  
Program Weekday and Weekend Batch

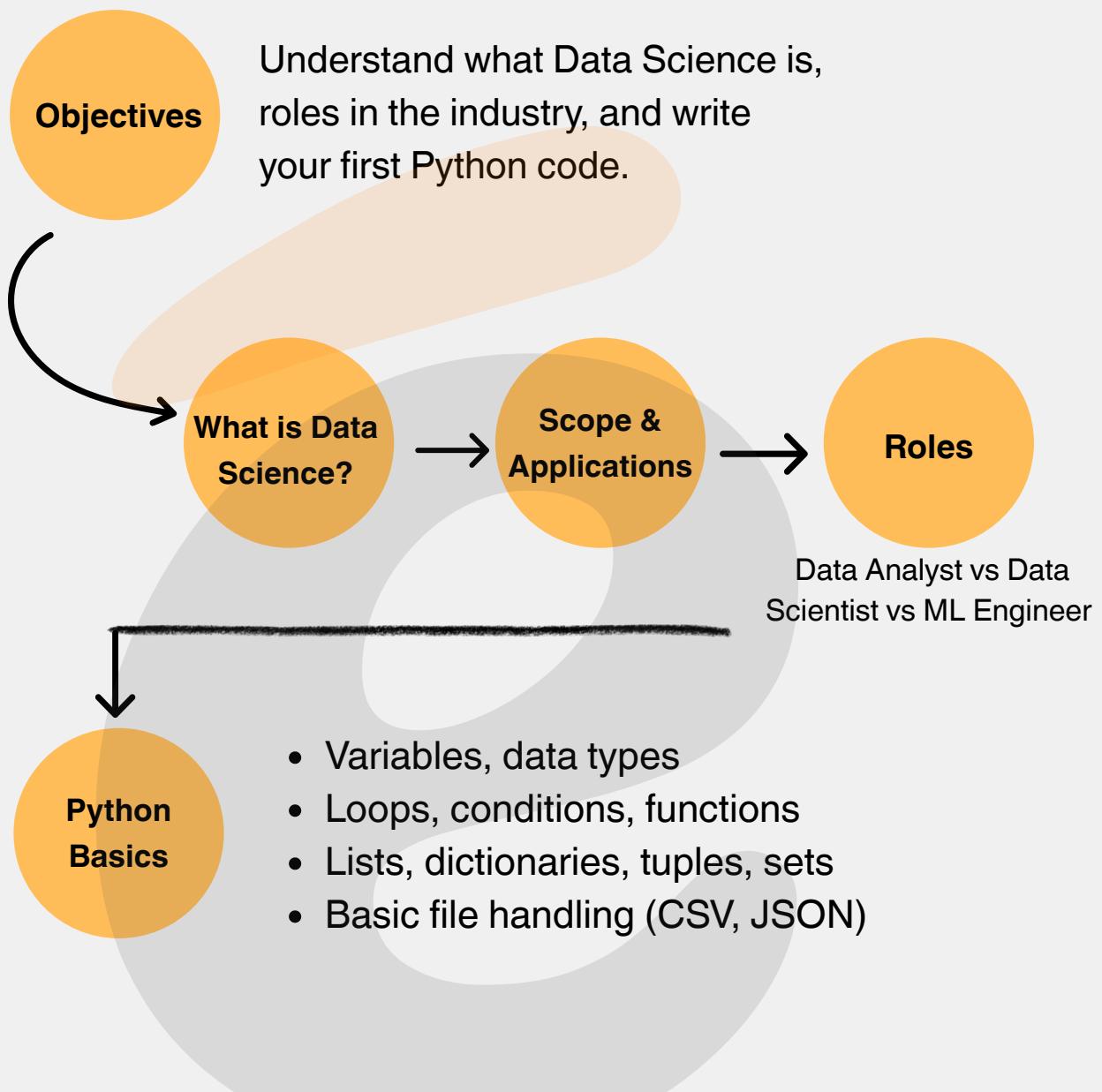


## LEVEL

**Beginner to Advanced** on tools like Python, Pandas, NumPy, Scikit-learn, SQL, Matplotlib, Seaborn, TensorFlow, Jupyter, Git

# Program Curriculum

## Module 1: Introduction to Data Science & Python (2 Weeks)



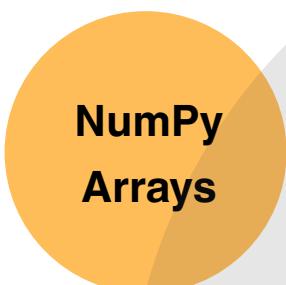
**Live Session:** Hands-on with Jupyter Notebooks

**Project:** Write a simple Python script to clean student performance data

## Module 2: Data Wrangling with Pandas & NumPy (2 Weeks)



Learn how to manipulate, clean, and organize datasets.



- Creation, slicing, operations
- Pandas Series & DataFrames
- Reading/writing CSV, Excel, JSON
- Missing values, filtering, merging, groupby
- Aggregations and pivot tables

**Live Session:** Data Cleaning Workshop

**Project:** Analyze a COVID dataset and clean inconsistencies

## **Module 3: Data Visualization (2 Weeks)**

### **Objectives**

Learn how to create meaningful and attractive data visualizations.



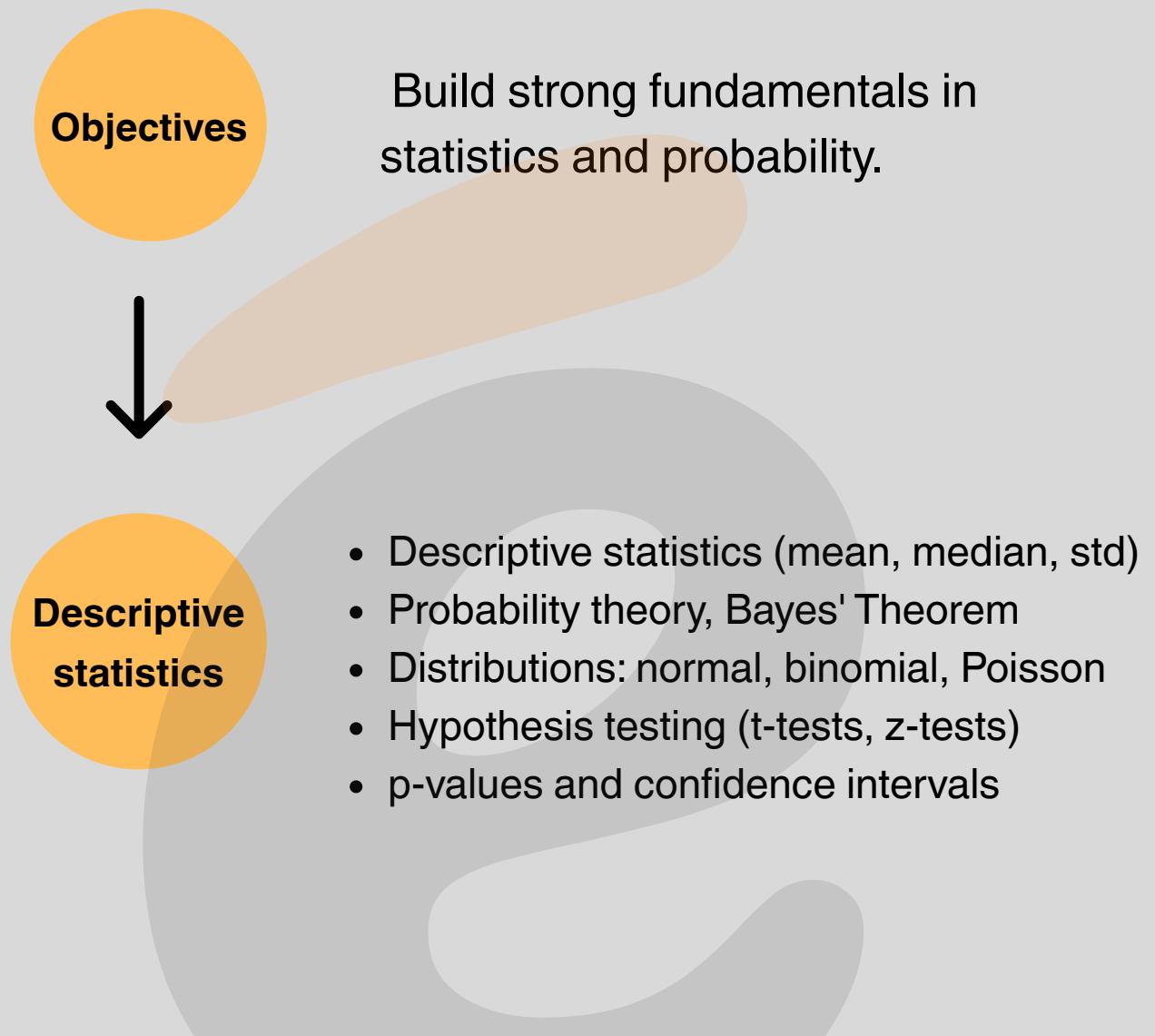
### **Matplotlib basics**

- Seaborn advanced plotting
- Histograms, bar plots, scatter plots, box plots
- Heatmaps and correlation matrices
- Visualizing distributions and outliers

**Live Session:** Data Storytelling with Seaborn

**Project:** Create a dashboard for Titanic dataset insights

## Module 4: Statistics & Probability for Data Science (3 Weeks)



**Live Session:** Hypothesis Testing on Real-Life Problems

**Project:** Analyze A/B testing results for a marketing campaign



## Module 5: Machine Learning with Python (5 Weeks)

### Objectives

Learn the fundamentals of ML, algorithms, and model building.



### ML Pipeline Overview

- Problem → Data → Model → Evaluation
- Supervised vs Unsupervised Learning
- Algorithms: Linear Regression
- Logistic Regression
- Decision Trees & Random Forest
- K-Nearest Neighbors
- Support Vector Machines (SVM)
- K-Means Clustering
- Model validation: train-test split, cross-validation
- Metrics: Accuracy, Precision, Recall, F1-score, ROC-AUC

**Live Session:** Build a Predictive Model Live (End-to-End)

**Project:** Predict House Prices using Scikit-learn



## Module 6: SQL for Data Science (2 Weeks)

### Objectives

Learn to query databases and extract insights.



### SQL Basics

- **SELECT, WHERE, ORDER BY**
- **Joins (INNER, LEFT, RIGHT)**
- **Subqueries and nested queries**
- **Window functions and aggregations**
- **Connecting SQL with Python**

**Live Session:** Writing queries on a sample e-commerce database

**Project:** Build an employee performance dashboard using SQL queries



## Module 7: Deep Learning & Neural Networks (4 Weeks)

### Objectives

Dive into the basics of deep learning and build neural networks.



### Description

- Introduction to Neural Networks
- Forward & Backpropagation
- Activation functions (ReLU, Sigmoid, Tanh)
- Convolutional Neural Networks (CNNs)
- Recurrent Neural Networks (RNNs)
- Intro to TensorFlow/Keras

**Live Session:** Building a Digit Classifier with CNNs  
**Project:** Image Classification on MNIST Dataset

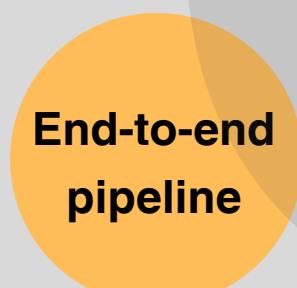
## Module 8: Capstone Project & Portfolio Building (4 Weeks)



Apply all your knowledge to real-world problems.



Choose your project (e.g., E-commerce recommendation engine, fraud detection, etc.)



Problem definition → EDA → Modeling → Evaluation → Deployment (optional)

- GitHub Portfolio Creation
- Resume and LinkedIn Optimization
- Live Mentoring:
- Project reviews
- Resume sessions
- Mock Interviews

# Final Certification

1

Course completion certificate

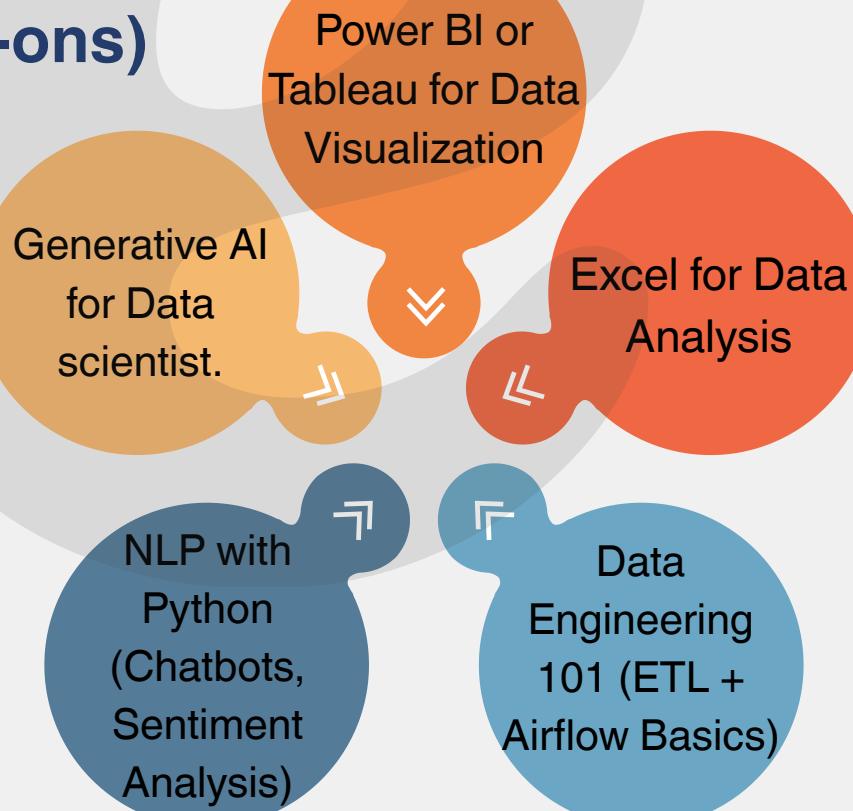
2

Capstone project evaluation report

3

Personalized feedback from instructors

## Bonus Tracks (Optional Add-ons)



# Our Founders



**ANSHIKA GARG ARYA**  
FOUNDER OF EDYNOOR & CO-FOUNDER AT  
CLOUDARE



**SAILESH ARYA**  
FOUNDER, CEO AND TECHNOLOGY HEAD AT  
CLOUDARE

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**Thank you!**



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