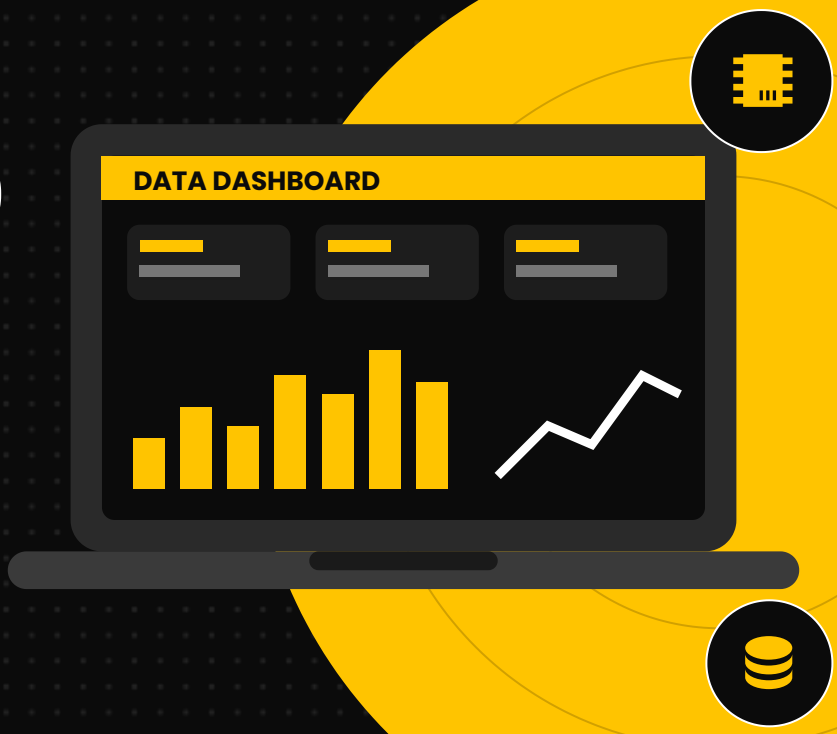
RAISE TECH



PROFESSIONAL TRAINING PROGRAM

DATA SCIENCE

with PYTHON

GenAI | **AI Tools** | **Machine Learning** | **Deep Learning**

Master Data Science with Python, Machine Learning, Deep Learning, NLP, Computer Vision, GenAI and AI Tools through industry-relevant skills and real-world projects.

ANALYZE
Turn raw data into insights

PREDICT
Build ML & deep learning models

INNOVATE
Create GenAI-powered solutions

WHAT YOU WILL MASTER

- Python
- Pandas & NumPy
- Visualization
- Statistics
- SQL
- Machine Learning
- Deep Learning
- NLP & Vision
- GenAI
- AI Tools

WHAT YOU'LL BUILD

- Sales Data Analysis Dashboard
- Student Performance Prediction
- Movie Recommendation System
- NLP & Computer Vision Models
- RAG-based GenAI Applications
- AI Agents & AI-assisted Workflows

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COURSE OVERVIEW

Data Science with Python, GenAI & AI Tools

RaiseTech's Data Science program is designed around an industry-relevant curriculum. It takes you from Python fundamentals through data analysis, visualization, statistics, SQL, machine learning, deep learning, NLP and computer vision to building GenAI-powered, AI-assisted solutions.

18 **MODULES**
Including projects & GenAI

3 **PROJECTS**
Real-time, hands-on

11 **GENAI TOPICS**
LLMs, RAG & AI agents

TRAINING HIGHLIGHTS

- Industry-ready curriculum designed by experienced professionals
- Learn-by-doing methodology with hands-on assignments
- Subject matter experts as trainers
- Access to recorded live class videos
- Personalized attention and guidance to accelerate learning
- Private group for instant doubt clarification
- Guest lectures from industry professionals
- Real-time projects and practical, detailed approach

TECHNOLOGIES YOU WILL WORK WITH

Python · Pandas · NumPy · Matplotlib · Seaborn · SciPy · Statsmodels · SQL · PyTorch · GenAI · AI Tools

YOUR LEARNING PATH

MODULES 01-03
Programming Foundation
Data science basics, core and advanced Python

MODULES 04-11
Data Analysis & Statistics
Pandas, NumPy, visualization, SciPy, Statsmodels, maths, SQL

MODULES 12-16
Machine Intelligence
EDA, ML, deep learning, NLP and computer vision

MODULES 17-18
Projects & GenAI
Real projects, LLMs, RAG, AI agents and AI tools

DATA SCIENCE WORKFLOW

Problem Define the goal → **Collect** Gather data → **Clean** Prepare data → **Explore** Find patterns → **Model** Train & evaluate → **Deploy** Share impact

COURSE ROADMAP

18 Modules: From Python to GenAI

01 Data Science Introduction
Why data science, what it is, workflow

02 Core Python
Syntax, data types, collections, control flow, functions

03 Advanced Python
OOPs, decorators, generators, exceptions, files

04 Pandas
Series, DataFrames, GroupBy, merge, missing values

05 NumPy
Arrays, indexing, matrices, statistical functions

06 Matplotlib
Pyplot, figures, axes, line, bar, pie & 3D plots

07 Seaborn
catplot, relplot, lmplot, FacetGrid, pair plots

08 SciPy
signal, linalg, integrate, stats, spatial

09 Statsmodels
Regression, time series, tests, ANOVA

10 Mathematics
Statistics, probability, linear algebra

11 SQL
DDL, DML, joins, views, sub queries

12 EDA & Machine Learning
EDA, regression, classification, clustering, ensembles

13 Deep Learning
Neural networks, CNN, RNN, LSTM, PyTorch

14 Natural Language Processing
Preprocessing, TF-IDF, embeddings, NER, seq2seq

15 Advanced NLP
Language models, BERT, GPT, fine-tuning

16 Computer Vision
Image processing, segmentation, YOLO, SSD

17 Projects
Sales dashboard, student prediction, recommender

18 Generative AI
LLMs, prompting, RAG, vector DBs, AI agents

MODULE 01 • FOUNDATION

Data Science Introduction

Understand what data science is, why it matters and how a real project flows from raw data to decisions.

Why DS | What is DS | Workflow

a) Introduction

3 topics

- Why Data Science
- What is Data Science
- Data Science Workflow

DATA SCIENCE WORKFLOW



MODULE 02 • PROGRAMMING

Core Python

Learn Python from scratch: syntax, data types, collections, control flow, functions and modules.

a) Python Fundamentals

13 topics

- What is Python
- Features of Python
- History of Python
- Python Installation
- Comments in Python
- Escape Sequences
- Naming Conventions
- Identifiers
- Variables
- Execution: IDLE
- Execution: PyCharm
- Execution: Jupyter Notebook
- Execution: VS Code

b) Data Types

12 topics

- Numeric Types
- Text Type
- Sequence Types
- Mapping Type
- Set Types
- Boolean Type
- Binary Types
- None Type
- Bytes & Bytearray
- Mutable vs Immutable
- Type Conversion
- Basic Python Programs

MODULE 02 • PROGRAMMING (CONTINUED)

Core Python: Collections

Master lists, sets, tuples and dictionaries, then control program flow and write reusable functions.

Syntax | Data Types | Collections | Functions | Modules

c) Collections

23 topics

List [ ]

- What is List
- List Mutability
- List vs Python Array
- List Functions
- List Slicing
- Forward Indexing
- Backward Indexing

Set { }

- What is Set
- Set Mutability
- Set Functions
- frozenset

Tuple ( )

- What is Tuple
- Tuple Mutability
- Tuple Functions
- Tuple Slicing
- Forward Indexing
- Backward Indexing

Dictionary key : value

- What is Dictionary
- Nested Dictionary
- Dictionary Operations
- Introduction to range()
- Looping through Dictionary
- List vs Set vs Tuple

d) Operators & Control Flow

18 topics

- Arithmetic Operators
- Comparison Operators
- Logical Operators
- Assignment Operators
- Bitwise Operators
- Membership Operators
- Identity Operators
- if / if-else Statements
- if-elif-else Statements
- Nested if Statements
- for Loop
- while Loop
- Nested Loops
- break Statement
- continue Statement
- pass Statement
- Control Statement Programs
- Loop Patterns

e) Functions, Strings & Modules

12 topics

- What is a Function
- Types of Functions
- Built-in Functions
- User-defined Functions
- Types of User-defined Functions
- Lambda Functions
- Recursion
- Strings
- Map & Reduce
- Arrays
- Modules
- Packages

COLLECTIONS & FUNCTIONS IN ACTION

```
marks = [72, 85, 91]                    # list
unique = {1, 2, 2, 3}                    # set
student = {"name": "Asha", "marks": marks}   # dict
print([m ** 2 for m in marks if m > 80])
```

WHAT YOU WILL BE ABLE TO DO

- Write clean, working Python programs
- Choose the right data structure
- Build reusable functions and modules

MODULE 03 • PROGRAMMING

Advanced Python

Go deeper with object-oriented programming, decorators, generators and production-level practices.

OOPs | Decorators | Generators | Exceptions | Files

a) OOP Foundations

14 topics

- Why OOPs
- Class
- Object
- Class vs Object
- __init__ Method
- Constructor
- self Parameter
- Instance Variable
- Class Variable
- Local Variable
- Instance Method
- Static Method
- Class Method
- Accessor and Mutator

b) OOP Pillars & Advanced Concepts

14 topics

- Decorators
- How to Use a Decorator
- Inner Class
- Outer Class
- Inheritance
- Polymorphism
- Duck Typing
- Operator Overloading
- Method Overloading
- Method Overriding
- Magic Methods
- Abstract Class & Method
- Iterator
- Generators in Python

c) Production Level

5 topics

- Error / Exception Handling
- File Handling
- DocStrings
- Modularization
- Pickling and Unpickling

PYTHON OOP IN ACTION

```python
class Student:
    def __init__(self, name, score):
        self.name = name
        self.score = score

    def grade(self):
        return "A" if self.score >= 80 else "B"

print(Student("Asha", 91).grade())
```

WHAT YOU WILL BE ABLE TO DO

- Design programs with classes and objects
- Handle errors and files like a professional
- Write efficient iterators and generators

MODULE 04 • DATA ANALYSIS

Pandas

Load, clean, transform and analyse real-world tabular data with Series and DataFrames.

Series | DataFrame | GroupBy | Merge | Date & Time

a) Series

10 topics

- Introduction
- Real-life Use Case
- Importing & Aliasing
- DataFrame & Series
- Creating a Series Object
- Empty Series Object
- Series from List / Array / Column
- NaN Value
- Attributes: values, index, dtypes, size
- Methods: head(), tail(), sum(), count(), nunique()

b) DataFrame

16 topics

- DataFrame Introduction
- Loading Different Files
- DataFrame Attributes
- DataFrame Methods
- Rename Column & Index
- inplace Parameter
- Handling Missing / NaN Values
- iloc and loc
- Filtering
- Sorting
- GroupBy
- Merging or Joining
- Concat
- Adding & Dropping Columns / Rows
- Date and Time
- Concatenate Multiple CSV Files

PANDAS IN ACTION

```
import pandas as pd

df = pd.read_csv("sales.csv")
df = df.dropna()
top = df.groupby("region")["revenue"].sum()
print(top.sort_values(ascending=False).head())
```

A DATAFRAME

	region	revenue
0	South	48,200
1	North	39,750
2	West	51,300
3	East	NaN

TYPICAL PANDAS WORKFLOW

Load read_csv › **Clean** dropna › **Transform** merge, concat › **Group** groupby › **Visualize** plot

WHAT YOU WILL BE ABLE TO DO

- Clean and prepare messy datasets
- Slice, filter, group and merge data
- Answer business questions with Pandas

MODULE 05 • NUMERICAL COMPUTING

NumPy

Work with fast n-dimensional arrays, matrices and statistical functions that power the data stack.

Arrays | Indexing | Matrices | Statistics

a) Getting Started

11 topics

- Introduction
- Installation
- PIP Command
- import numpy Package
- ModuleNotFoundError
- NumPy Aliasing
- Create NumPy Array
- Array Manipulation
- Mathematical Operations
- Indexing & Slicing
- NumPy Attributes

b) Methods & Matrices

9 topics

- min(), max(), sum()
- reshape()
- count_nonzero()
- sort(), flatten()
- Adding Value to an Array
- Diagonal of a Matrix
- Trace of a Matrix
- Adding & Subtracting Matrices
- Filter in NumPy

c) Statistical Functions

5 topics

- numpy.mean()
- numpy.median()
- numpy.std()
- numpy.sum()
- numpy.min()

NUMPY IN ACTION

```
import numpy as np

arr = np.array([[1, 2, 3], [4, 5, 6]])
print(arr.shape, arr.mean(), arr.std())
flat = arr.reshape(3, 2).flatten()
print(np.trace(arr[:, :2]))
```

NUMPY ARRAYS



WHAT YOU WILL BE ABLE TO DO

- Create and reshape arrays with ease
- Perform fast vectorised calculations
- Apply statistical functions to data

MODULE 06 • DATA VISUALIZATION

Matplotlib

Turn numbers into clear visual stories with plots, subplots and fully customised figures.

Pyplot | Figure | Axes | Plots | 3D

a) Fundamentals

7 topics

- Introduction
- Pyplot
- Figure Class
- Axes Class
- Setting Limits & Tick Labels
- Multiple Plots
- Legend

b) Different Types of Plots

6 topics

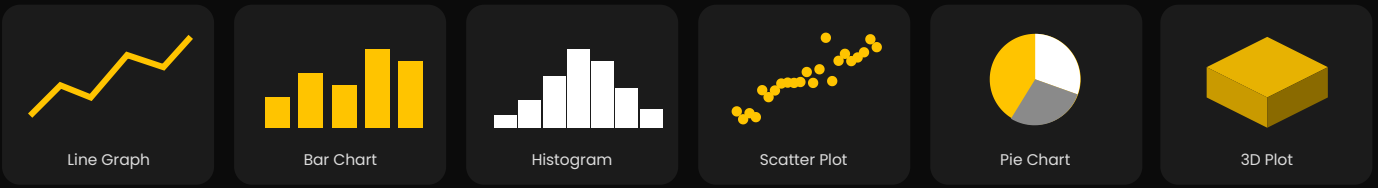
- Line Graph
- Bar Chart
- Histograms
- Scatter Plot
- Pie Chart
- 3D Plots

c) Advanced

2 topics

- Working with Images
- Customizing Plots

PLOT GALLERY



WHAT YOU WILL BE ABLE TO DO

- Create publication-quality charts
- Combine multiple plots in one figure
- Customise colours, labels and legends

MODULE 07 • STATISTICAL VISUALIZATION

Seaborn

Build beautiful statistical graphics with a few lines of code and uncover patterns in data.

catplot | relplot | lmplot | FacetGrid | Pair Plots

a) Categorical Plots

6 topics

- catplot()
- stripplot()
- boxplot()
- violinplot()
- pointplot()
- barplot()

b) Relational & Regression

4 topics

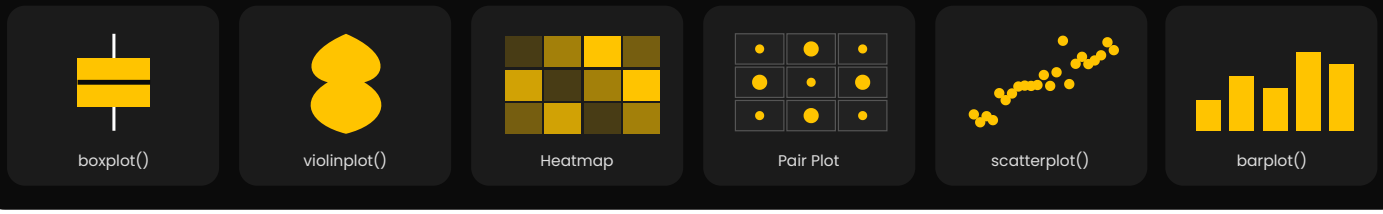
- relplot() statistical relationships
- scatterplot()
- regplot()
- lmplot()

c) Grids & Styling

9 topics

- FacetGrid()
- Multi-plot Grids
- Statistical Plots
- Color Palettes
- Faceting
- Regression Plots
- Distribution Plots
- Categorical Plots
- Pair Plots

SEABORN AT A GLANCE



WHAT YOU WILL BE ABLE TO DO

- Visualise distributions and relationships
- Build multi-plot grids and facets
- Style charts with colour palettes

MODULE 08 • SCIENTIFIC COMPUTING

SciPy

Use scientific computing tools for signals, linear algebra, integration, statistics and clustering.

signal | linalg | integrate | stats | spatial



SciPy Modules

5 topics

- Signal & Image Processing (scipy.signal, scipy.ndimage)
- Linear Algebra (scipy.linalg)
- Integration (scipy.integrate)
- Statistics (scipy.stats)
- Spatial Distance & Clustering (scipy.spatial)

WHAT YOU WILL BE ABLE TO DO

- Solve scientific computing problems
- Run statistical routines with scipy.stats
- Measure distance and cluster data

MODULE 09 • STATISTICAL MODELLING

Statsmodels

Fit statistical models, test hypotheses and analyse time series with Statsmodels.

Regression | Time Series | Tests | ANOVA



Statsmodels Modules

5 topics

- Linear Regression (statsmodels.regression)
- Time Series Analysis (statsmodels.tsa)
- Statistical Tests (statsmodels.stats)
- Anova (statsmodels.stats.anova)
- Datasets (statsmodels.datasets)

WHAT YOU WILL BE ABLE TO DO

- Fit and interpret regression models
- Analyse trends in time series
- Run statistical tests and ANOVA

THE SCIENTIFIC PYTHON STACK

NumPy
Arrays

›

SciPy
Scientific tools

›

Statsmodels
Statistical models

›

ML Models
Predictions

MODULE 10 • MATH FOR DATA SCIENCE

Mathematics

Build the statistics, probability and linear algebra intuition behind every machine learning model.

Statistics | Probability | Linear Algebra

a) Statistics

9 topics

- Introduction
- Types of Statistics
- Population and Sample
- Central Tendencies
- Percentiles and Dispersion
- Range, Sample Variance & Standard Deviation
- Correlation and Causation
- Hypothesis Testing
- Parametric & Non-parametric Tests

b) Probability

10 topics

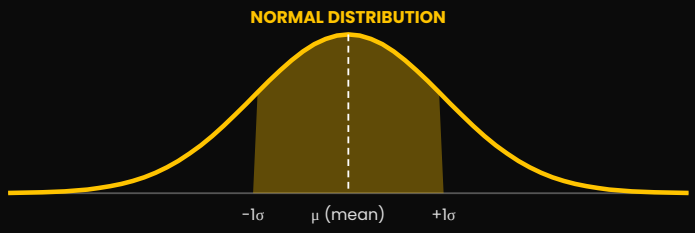
- Introduction
- Importance of Probability in ML
- Basics of Probability
- Random Variables
- Probability Distributions
- Maximum Likelihood
- Bayes Theorem
- Information Theory
- Cross Entropy
- Information Gain

c) Linear Algebra

11 topics

- Scalar, Vector
- Vector Addition
- Vector Subtraction
- Multiplying a Vector by a Scalar
- Dot Product of Two Vectors
- Cross Product of Two Vectors
- Scalar, Vector and Matrix
- Different Types of Matrix
- Transpose of a Matrix
- Matrix Addition, Subtraction
- Eigenvalues and Eigenvectors

STATISTICS: THE BIG PICTURE



WHAT YOU WILL BE ABLE TO DO

- Understand the maths behind ML models
- Reason with probability and distributions
- Use vectors and matrices confidently

MODULE 11 • DATABASES

SQL

Query, join and summarise data stored in relational databases using industry-standard SQL.

DDL / DML | Joins | Group By | Views | Sub Queries

a) Database Basics

3 topics

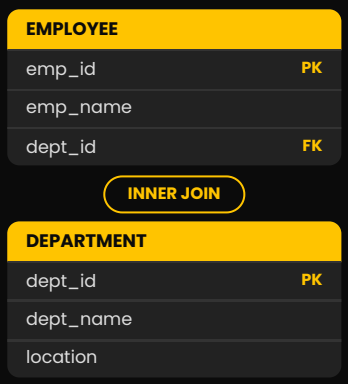
- Introduction
- DBMS vs RDBMS
- RDBMS vs MongoDB

b) SQL Command Types

5 topics

- DDL: create, alter, drop, truncate, rename
- DML: insert, update, delete, merge
- DRL: select
- DCL: grant, revoke
- TCL: commit, rollback, savepoint

RELATIONAL MODEL



c) Querying & Objects

10 topics

- Operators
- Group by Clause
- Having Clause
- Order by Clause
- Sequences
- Synonyms
- Indexes
- Joins
- Views
- Sub Queries

A SQL QUERY

```
SELECT d.dept_name, COUNT(e.emp_id) AS total
FROM employee e
INNER JOIN department d ON e.dept_id = d.dept_id
GROUP BY d.dept_name
HAVING COUNT(e.emp_id) > 5
ORDER BY total DESC;
```

WHAT YOU WILL BE ABLE TO DO

- Write complex SQL queries
- Join and summarise multiple tables
- Manage database objects and transactions

MODULE 12 • MACHINE LEARNING

EDA & Machine Learning

Explore data, engineer features and build, evaluate and tune machine learning models.

EDA | Supervised | Unsupervised | Ensembles

a) EDA & ML Overview

3 topics

- EDA Introduction
- Overview of Machine Learning Concepts
- Types of Machine Learning Algorithms

b) Supervised Learning

3 topics

- Regression
- Classification
- Metrics

c) ML Algorithms

5 topics

- Linear Regression
- Logistic Regression
- Gradient Descent
- K-Nearest Neighbors
- Decision Trees

d) Unsupervised Learning

2 topics

- K-means Clustering
- Principal Component Analysis (PCA)

e) Model Evaluation & Validation

2 topics

- Cross-Validation Techniques
- Evaluation Metrics for Regression and Classification

f) Feature Selection & Engineering

2 topics

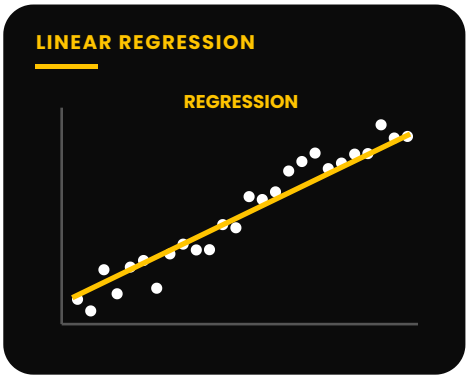
- Importance of Feature Selection
- Techniques for Feature Engineering

g) Ensemble Learning

2 topics

- Bagging and Random Forests
- Boosting: AdaBoost and Gradient Boosting





ML WORKFLOW

Data Collect → **Features** Engineer → **Train** Fit model → **Evaluate** Metrics → **Predict** Deploy

WHAT YOU WILL BE ABLE TO DO

- Build and evaluate ML models
- Engineer features that improve accuracy
- Use ensembles for stronger predictions

MODULE 13 • DEEP LEARNING

Deep Learning

Understand neural networks, CNNs, RNNs and LSTMs, and train them with PyTorch.

Neural Nets | CNN | RNN | LSTM | PyTorch

a) Introduction to Deep Learning — 3 topics

- Fundamentals of Neural Networks
- Activation Functions and Network Architectures
- Forward & Back Propagation

b) Convolutional Neural Networks (CNNs) — 2 topics

- Understanding Convolutional Layers
- Pooling Layers and Feature Extraction

c) Recurrent Neural Networks (RNNs) — 2 topics

- Sequential Data Processing with RNNs
- Long Short-Term Memory (LSTM) Networks

d) Deep Learning Frameworks — 3 topics

- Introduction to PyTorch
- Neural Network Training
- NN, CNN, RNN & LSTM with PyTorch

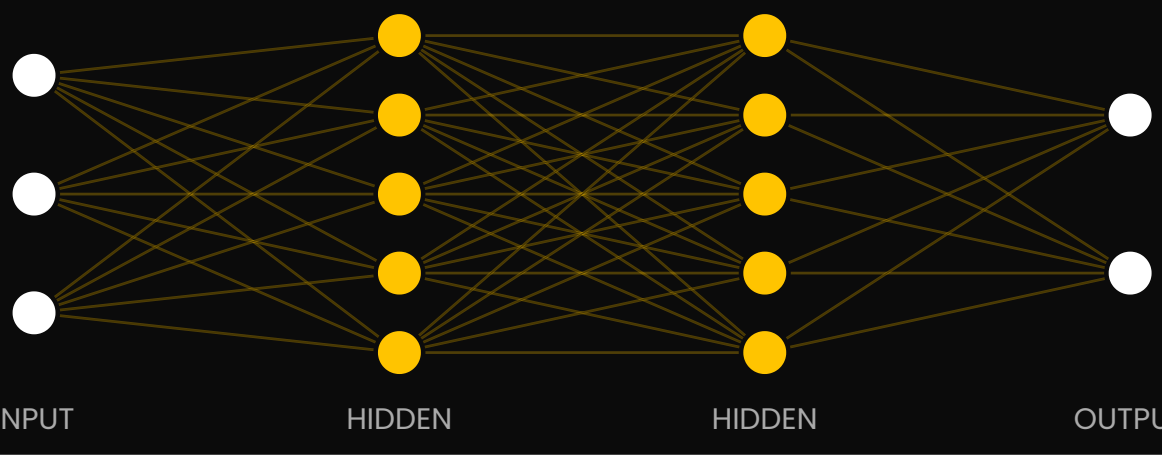
e) Model Optimization & Deployment — 2 topics

- Techniques for Model Optimization
- Deploying Deep Learning Models in Production

f) Ethical Considerations — 2 topics

- Bias and Fairness in Deep Learning Models
- Responsible AI and Privacy Concerns

NEURAL NETWORK



WHAT YOU WILL BE ABLE TO DO

- Build and train neural networks
- Apply CNNs and RNNs to real data
- Deploy models responsibly

MODULE 14 • NLP

Natural Language Processing

Teach machines to read, understand and classify human language.

Preprocessing | TF-IDF | Embeddings | NER | Seq2Seq

a) Introduction to NLP — 2 topics

- Overview of Natural Language Processing
- Applications and Importance of NLP

b) Text Preprocessing — 2 topics

- Tokenization and Text Normalization
- Stopword Removal and Stemming / Lemmatization

c) Statistical NLP Techniques — 2 topics

- Bag-of-Words Model and TF-IDF
- N-gram Language Models and Probabilistic Methods

d) Word Embeddings — 2 topics

- Word2Vec and GloVe Embeddings
- Contextual Embeddings: ELMo and BERT

e) Text Classification — 2 topics

- Sentiment Analysis and Text Classification
- Text Classifiers with ML and Deep Learning

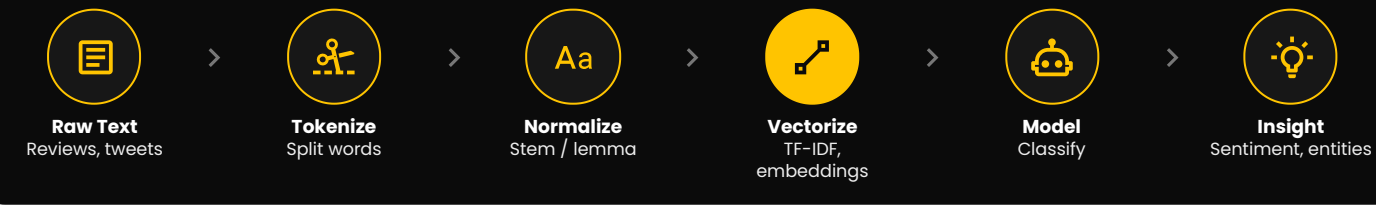
f) Named Entity Recognition (NER) — 2 topics

- Overview of Named Entity Recognition
- NER Approaches: Rule-based and ML-based

g) Sequence-to-Sequence Models — 2 topics

- Introduction to Sequence-to-Sequence Models
- Applications: Machine Translation, Summarization

NLP PIPELINE



WHAT YOU WILL BE ABLE TO DO

- Preprocess and vectorise text
- Build sentiment and text classifiers
- Extract entities and translate text

MODULE 15 • ADVANCED NLP

Advanced NLP

Work with transformer-based language models: BERT, GPT and the latest advances.

BERT | GPT | Fine-tuning | Transformers



a) Language Models (LMs)

2 topics

- Understanding Language Models and their Importance
- Pre-trained Language Models: BERT, GPT, XLNet

b) Fine-tuning Pre-trained LMs

2 topics

- Transfer Learning for NLP Tasks
- Fine-tuning Strategies and Techniques

c) BERT

2 topics

- Architecture and Components of BERT
- Applications: Text Classification, NER

d) GPT

2 topics

- Architecture and Components of GPT
- Applications: Text Generation, Question Answering

e) Recent Advances in NLP

2 topics

- State-of-the-art Models: GPT-4, BERT Large, T5
- Current Trends and Future Directions

LANGUAGE MODEL LIFECYCLE



BERT: understands language

An encoder-based model that reads context in both directions. Used for text classification and named entity recognition.

GPT: generates language

A decoder-based model that predicts the next token. Used for text generation and question answering.

WHAT YOU WILL BE ABLE TO DO

- Understand transformer language models
- Fine-tune pre-trained models
- Build BERT and GPT-based applications

MODULE 16 • COMPUTER VISION

Computer Vision

Help machines see: process images, classify them, segment scenes and detect objects.

Image Processing | Classification | Segmentation | YOLO

a) Introduction to Computer Vision — 2 topics

- Fundamentals of Image Processing
- Overview of Computer Vision Applications

b) Image Processing Techniques — 2 topics

- Image Filtering and Convolution
- Edge Detection and Feature Extraction

c) Image Classification — 2 topics

- Basics of Image Classification
- CNNs for Image Classification

d) Semantic Segmentation — 2 topics

- Principles of Semantic Segmentation
- Deep Learning Approaches: FCNs, U-Net

e) Object Detection — 2 topics

- Understanding Object Detection Algorithms
- Popular Architectures: YOLO, SSD, Faster R-CNN

COMPUTER VISION TASKS

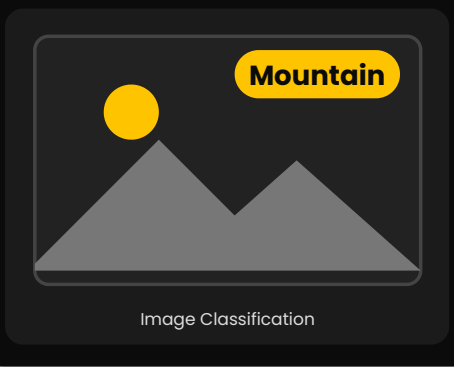
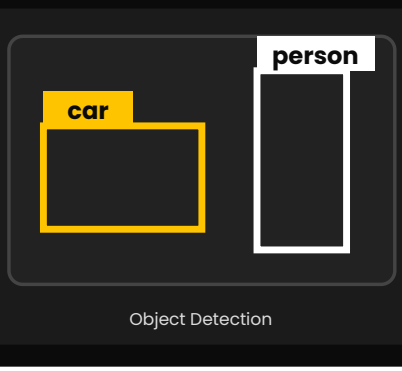
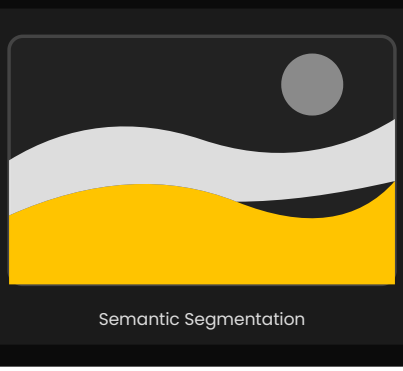


Image Classification



Object Detection


Semantic Segmentation

COMPUTER VISION PIPELINE

Image — Input pixels → **Preprocess** — Filter, resize → **CNN** — Extract features → **Predict** — Class, boxes, masks → **Insight** — Decision

WHAT YOU WILL BE ABLE TO DO

- Process and filter images
- Classify images with CNNs
- Detect and segment objects

MODULE 17 • HANDS-ON PROJECTS

Projects

Apply everything you have learned on practical, portfolio-ready projects.

Dashboard | Prediction | Recommendation



PROJECT 01

Sales Data Analysis Dashboard

Turn raw sales records into a clear, visual dashboard that reveals trends by product, region and period.

Pandas | SQL | Matplotlib | Seaborn

1. Load and clean the sales data
2. Analyse trends and top performers
3. Build the visual dashboard

Outcome: A dashboard that tells the sales story at a glance.

PROJECT 02

Student Performance Prediction

Predict student outcomes from academic and background data using machine learning models.

NumPy | Pandas | Regression | Classification

1. Explore and prepare the dataset
2. Train and tune ML models
3. Evaluate with the right metrics

Outcome: A tested model that predicts student outcomes.

PROJECT 03

Movie Recommendation System

Recommend movies people are likely to enjoy by measuring similarity between titles and users.

Python | Linear Algebra | Embeddings | NLP

1. Prepare ratings and movie data
2. Compute similarity between items
3. Generate personalised recommendations

Outcome: A recommender that suggests what to watch next.

WHAT YOU WILL BE ABLE TO DO

- Complete projects end to end
- Present insights clearly
- Build a project portfolio

MODULE 18 • GENAI & AI TOOLS

Generative AI

Use large language models and AI tools for analysis, SQL, Python, applications and agents.

LLMs | Prompting | RAG | Agents | Vector DBs

GENAI CURRICULUM • 11 TOPICS

01 Introduction to Generative AI
02 LLM Fundamentals
03 Prompt Engineering
04 GenAI for Data Analysis
05 GenAI + Python
06 GenAI for SQL & Databases
07 RAG: Retrieval-Augmented Generation
08 Embeddings & Vector Databases
09 GenAI Application Development
10 AI Agents
11 GenAI for Machine Learning

RAG: RETRIEVAL-AUGMENTED GENERATION



AI AGENT LOOP



AI TOOLS FOR DATA PROFESSIONALS

Apply GenAI hands-on: write effective prompts, analyse data, generate Python and SQL, build RAG applications with embeddings and vector databases, and create AI agents.

WHAT YOU WILL BE ABLE TO DO

- Write effective prompts for data work
- Build RAG-based GenAI applications
- Create AI agents and use AI tools

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- MERN Stack Development
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- Cyber Security
- Cloud Computing (AWS)
- UI/UX Design
- Data Analytics

WHAT YOU WILL LEARN

- PROGRAMMING FUNDAMENTALS
- DATA ANALYSIS & VISUALIZATION
- DATABASE MANAGEMENT
- ML, DL & GENAI
- REAL-WORLD PROJECTS

START YOUR JOURNEY TODAY

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