



TRAILBLAZER VISIONARIES

AI & DATA SCIENCE PROGRAM

From Data Beginner to Industry-Ready AI Professional

Master data analysis, machine learning & real-world AI applications



ANALYZE



PREDICT



BUILD INTELLIGENCE



THE WORLD IS DRIVEN BY DATA & AI

- ▶▶▶ Every company today relies on data to make decisions
- ▶▶▶ AI is powering automation, personalization & predictions
- ▶▶▶ Industries like healthcare, finance, marketing and tech are being transformed
- ▶▶▶ Demand for skilled professionals is growing faster than supply

WHY THIS SKILL IS POWERFUL:

- ▶▶▶ High-paying, future-proof career
- ▶▶▶ Global opportunities across industries
- ▶▶▶ Ability to work on real-world impactful problems

This is not just a skill – it's the engine of modern business



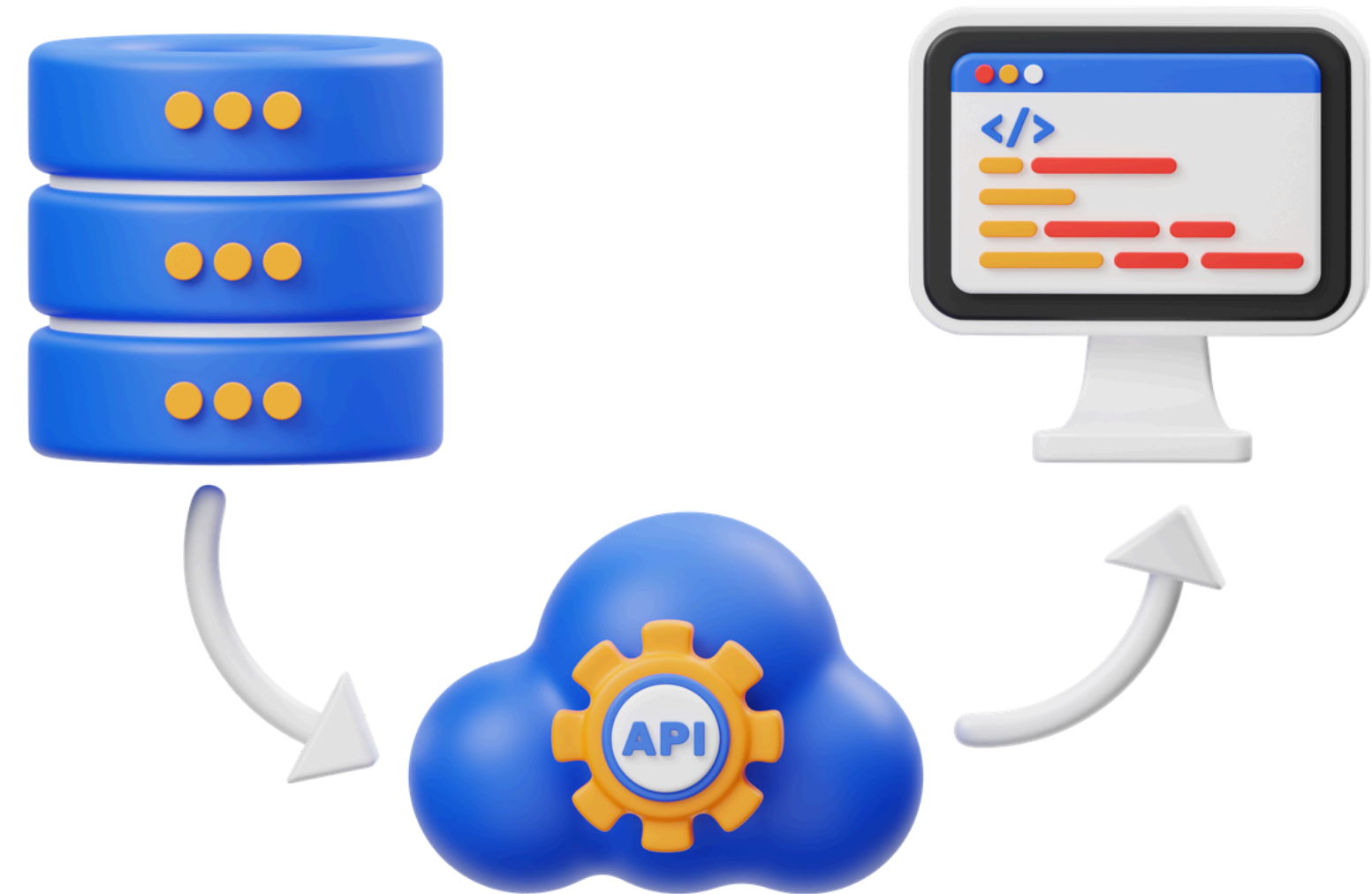
CAREER OPPORTUNITIES YOU UNLOCK

- ▶ Data Analyst (turn raw data into insights)
- ▶ Data Scientist (build predictive models)
- ▶ Machine Learning Engineer (develop intelligent systems)
- ▶ AI Specialist (automation & advanced AI solutions)
- ▶ Business Intelligence Analyst

LONG-TERM GROWTH PATH:

- ▶ Work on AI-driven products
- ▶ Transition into advanced domains like Deep Learning & NLP
- ▶ Move into leadership roles (AI Lead / Data Strategist)

You become someone who transforms data into decisions and systems



WHO CAN JOIN

DESIGNED FOR:

- ▶ Beginners with no coding or data background
- ▶ Students from any stream (Commerce, Science, Arts)
- ▶ Professionals planning a career switch into AI/Data
- ▶ Analysts wanting to upgrade into Machine Learning roles
- ▶ Entrepreneurs who want to make data-driven decisions

NO PRIOR EXPERIENCE NEEDED:

- ▶ We start from basics and build step-by-step

From zero knowledge → industry-ready expertise



YOUR LEARNING JOURNEY

2 MONTHS – DATA SCIENCE FOUNDATIONS

- ▶ Python programming
- ▶ Data analysis & visualization
- ▶ Statistics & probability
- ▶ Introduction to machine learning

4 MONTHS – ADVANCED AI & MACHINE LEARNING

- ▶ Advanced ML techniques
- ▶ Deep learning & neural networks
- ▶ NLP & AI applications
- ▶ Data storytelling & dashboards
- ▶ Capstone project

Structured learning ensures strong fundamentals + advanced capability



DETAILED MODULES YOU WILL MASTER

1. PROGRAMMING FOR DATA SCIENCE

- ▶ Python fundamentals
- ▶ Data structures & libraries (Pandas, NumPy)

2. DATA ANALYSIS & PROCESSING

- ▶ Data cleaning & preprocessing
- ▶ Exploratory Data Analysis (EDA)
- ▶ Pattern identification & insights

3. STATISTICS & PROBABILITY

- ▶ Descriptive & inferential statistics
- ▶ Probability fundamentals for modeling



DETAILED MODULES YOU WILL MASTER

4. MACHINE LEARNING

- ▶ Supervised & unsupervised learning
- ▶ Regression & classification models
- ▶ Model evaluation & optimization

5. ADVANCED AI CONCEPTS

- ▶ Deep Learning (Neural Networks)
- ▶ Natural Language Processing (NLP)
- ▶ AI-based problem solving

Covers the entire data → model → insight pipeline



TOOLS, PLATFORMS & TECHNOLOGIES

PROGRAMMING & ENVIRONMENT

- ▶ Python
- ▶ Jupyter Notebook / Google Colab

DATA HANDLING & VISUALIZATION

- ▶ Pandas, NumPy
- ▶ Matplotlib, Seaborn

MACHINE LEARNING & AI

- ▶ Scikit-learn
- ▶ TensorFlow / PyTorch



TOOLS, PLATFORMS & TECHNOLOGIES

DATA VISUALIZATION & BI

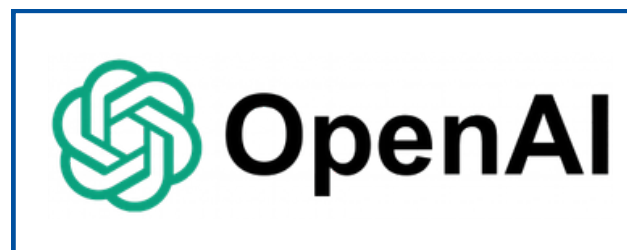
▶▶▶ Power BI / Tableau



AI & NLP TOOLS

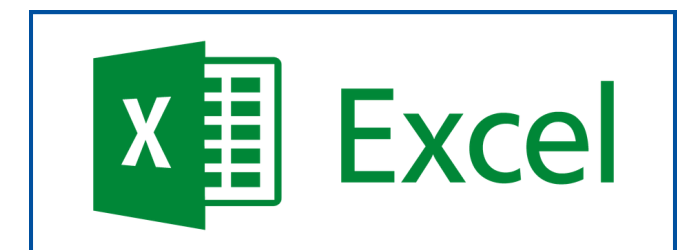
▶▶▶ OpenAI APIs

▶▶▶ NLTK, SpaCy



SUPPORT TOOLS

▶▶▶ Excel (data fundamentals)



Learn tools used in real-world data science & AI workflows

PRACTICAL LEARNING APPROACH

You will work on real-world problems such as:

- ▶ Data Analysis Case Study (cleaning + insights)
- ▶ Data Visualization Dashboard
- ▶ Predictive Machine Learning Model
- ▶ Sentiment Analysis (NLP project)
- ▶ Recommendation System

CAPSTONE PROJECT (ADVANCED LEVEL):

- ▶ End-to-end AI solution
- ▶ Real-world dataset
- ▶ Model building + deployment
- ▶ Final presentation & portfolio showcase

Your portfolio will demonstrate real, job-ready skills



CERTIFICATIONS & OUTCOMES

CERTIFICATIONS YOU RECEIVE:

- ▶ Data Science Foundations Certificate (2 Months)
- ▶ Advanced AI & Machine Learning Certificate (4 Months)

AFTER COMPLETION, YOU WILL BE ABLE TO:

- ▶ Analyze complex datasets
- ▶ Build machine learning models
- ▶ Create data-driven dashboards
- ▶ Solve real-world business problems

YOUR COMPETITIVE EDGE:

- ▶ Strong project portfolio
- ▶ Hands-on AI experience
- ▶ Industry-relevant tools & workflows



START YOUR JOURNEY INTO AI & DATA SCIENCE

The future belongs to those who can understand data and build intelligent systems.

THIS PROGRAM GIVES YOU:

 Practical skills

 Real-world projects

 Clear career direction





Trailblazer Visionaries

THANK YOU



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