AI ACADEMIA

Python with Data Science

From your first line of Python to real data science projects

Mentors and panelists from

Google accenture Capgemini pwc

100% Online · Live Classes

No coding needed to start



ISO 9001:2015 certified
MSME registered

Ministry of MSME, Govt. of India

AI ACADEMIA

About us

AI Academia helps students learn AI by using it. Every program is taught live, built around real projects, and guided by people working in the industry.

Our goal is simple: help any student, from any branch, get ready for a technology-driven future.

Student community across India

4.8 stars on Google

ISO 9001:2015 certified



College and student communities across India

AI Academia runs sessions, panels and workshops with college communities across India. The program itself is 100% online, open to students from any college.









1 Expert panels

Industry leaders answer student questions live.

2 Workshops

Hands-on sessions where students build real things.

3 Campus training

Programs delivered on campus, with the college.

4 Student communities

Students from many colleges learn and build together, online.

Why should I choose AI Academia?

AI Academia is where you can become part of the top 1% in your field.

What does the top 1% look like?

Curious | Hungry | Ambitious | Resilient | Confident

Believer | Future-Ready | Risk-taker | Innovative

We believe in nurturing your dreams, not just teaching tools.

> Our live classes combine theory with practice. You build something real every week, so you finish with skills you can show.



They saw their careers transform, and so can you.

Here's how.

1
Live Sessions
Start from zero. Learn together, one step at a time.

2
Learn from the Best
Mentors from top companies guide you in class.

3
Live Projects
Build 12 real projects, not just notes.

4
Find Your Niche
See where data fits your own field.

5
Create a Habit
Practise every week until it feels natural.

6
New Frontiers
Go from your first program to live apps.

HOW DATA WILL HELP YOU GROW

- Turn raw numbers into clear answers.
- Make decisions based on evidence.
- Build predictions, dashboards and live apps.

Learn from industry leaders



Rohan Joshi
SDE I

Google



Shubham Sharma
Data Scientist

accenture



Shivani
Research Engineer

Myntra



Sayan Guha
Director, Global AI Practice

Capgemini



Kishalay Choudhury
Head, Sales & Analyst Relations

cognizant



Prasenjit Pal
Director, Data & AI

pwc



Anirban Banerjee
Program Head, Digital

ERICSSON



Dr. Sushovan Mukherjee
Associate Director, AI

EY



Tapas Kumar Bhunia
Director, Global Lead, AI

cognizant

Mentors and panelists at AI Academia sessions. Taking part is not an endorsement by their employers.

Where our mentors and panelists work

Google

Capgemini

Infosys

cognizant

pwc

EY

ERICSSON

IBM

accenture

Myntra

Logos show where our mentors and panelists work. These companies do not run or endorse this program.

Program Curriculum Overview

Six modules. Twelve weeks. From your first program to a live app.

01	**Python from zero** Weeks 1 to 3	
02	**Data with Pandas and SQL** Weeks 4 to 6	
03	**See the story in data** Week 7	
04	**Statistics you will use** Week 8	
05	**Machine learning made simple** Weeks 9 and 10	
06	**Ship your work** Weeks 11 and 12	

12	6	12	15
weeks	modules	projects	tools

MODULE 1 · WEEKS 1 TO 3

Python from zero

01

Python | Colab | ChatGPT

WHAT YOU WILL LEARN

WEEK 1 First steps

1. **Setup**
   Start coding in your browser, nothing to install.
2. **Your first program**
   Make the computer do something on day one.
3. **Variables**
   Store names, numbers and marks.
4. **Simple calculations**
   Totals, averages and percentages.

WEEK 2 Decisions and repeats

1. **Conditions**
   Make your program choose.
2. **Loops**
   Repeat work without rewriting it.
3. **Small practice problems**
   Build confidence, one step at a time.
4. **AI as your helper**
   Ask AI to explain code you do not understand.

WEEK 3 Organising data

1. **Lists**
   Keep many values in one place.
2. **Dictionaries**
   Look things up by name.
3. **Functions**
   Write code once, use it many times.
4. **Reading a file**
   Bring real data into your program.

YOU WILL BUILD

01 **Marks Calculator**
Work out each student's total.

02 **Attendance Checker**
Find who is short of attendance.

03 **Expense Tracker**
See where the money is going.

MODULE 2 · WEEKS 4 TO 6

Data with Pandas and SQL

02

NumPy | Pandas | Jupyter | SQL | Python

WHAT YOU WILL LEARN

WEEK 4 NumPy and Pandas basics

1. **Tables in Python**
   Work with rows and columns.
2. **CSV and Excel**
   Open real data files.
3. **Filtering and sorting**
   Find exactly what you need.
4. **Grouping**
   Summarise data in seconds.

WEEK 5 Cleaning real data

1. **Missing values**
   Decide what to do with the gaps.
2. **Duplicates**
   Find and remove repeated rows.
3. **Wrong formats**
   Fix dates, text and numbers.
4. **Merging tables**
   Join data from different files.

WEEK 6 SQL basics

1. **SELECT and WHERE**
   Ask a database for the rows you need.
2. **GROUP BY**
   Count and total by category.
3. **JOINs**
   Connect two tables together.
4. **Introduction to SQL with Python**
   See both working together.

YOU WILL BUILD

04 **Student Results Analysis**
Find the subjects pulling results down.

05 **Messy Sales Data Cleanup**
Turn messy data into numbers you can trust.

06 **Online Store Report**
Find which products make the most money.

MODULE 3 · WEEK 7

See the story in data

03

Matplotlib Seaborn Pandas

WHAT YOU WILL LEARN

WEEK 7

Charts and EDA

1. **Matplotlib**
   Draw your first charts.
2. **Seaborn**
   Make charts look professional.
3. **The right chart**
   Pick the chart that fits the question.
4. **Finding patterns**
   Explore data and spot what matters.
5. **Presenting findings**
   Tell the story behind the numbers.

YOU WILL BUILD

07 **IPL Data Report**
Find what really wins matches.

MODULE 4 · WEEK 8

Statistics you will use

04

Python Pandas

WHAT YOU WILL LEARN

WEEK 8

Statistics in plain words

1. **Averages and spread**
   Describe any data in a few numbers.
2. **Probability basics**
   Understand chance without heavy maths.
3. **Sampling**
   Learn about many from a few.
4. **Reading results honestly**
   Avoid the common mistakes.
5. **A/B tests**
   Decide which version works better.

YOU WILL BUILD

08 **A/B Test Decision Report**
Decide which version should launch.

MODULE 5 · WEEKS 9 AND 10

Machine learning made simple

05

Scikit-learn | Python | TensorFlow

WHAT YOU WILL LEARN

WEEK 9
How machines learn

1. **Machine learning basics**
   What it is, in plain words.
2. **Train and test**
   Check your model on new data.
3. **Linear regression**
   Predict a number.
4. **Scikit-learn**
   Build a model in a few lines.
5. **No heavy maths**
   Learn through examples and code.

WEEK 10
Predicting categories

1. **Classification**
   Predict yes or no.
2. **Decision trees**
   See how a model decides.
3. **Measuring accuracy**
   Know if your model is really good.
4. **Introduction to clustering**
   Find natural groups in data.
5. **Introduction to deep learning**
   How neural networks work.

YOU WILL BUILD

09 **House Price Predictor**
Predict what a home is really worth.

10 **Customer Churn Predictor**
Predict who is about to leave.

MODULE 6 · WEEKS 11 AND 12

Ship your work

06

Streamlit | GitHub | Power BI | ChatGPT | Claude | Python

WHAT YOU WILL LEARN

WEEK 11
Go live

1. **Streamlit**
   Turn your model into an app.
2. **GitHub**
   Show your work to the world.
3. **A live link**
   Share your app with anyone.
4. **Introduction to Power BI**
   Build your first dashboard.
5. **Introduction to Generative AI for data**
   Chat with your data, and check it.

WEEK 12
Capstone and career

1. **Choose a real dataset**
   Pick a problem you care about.
2. **End-to-end project**
   From raw data to a final result.
3. **Present your project**
   Share what you built, live online.
4. **Resume and portfolio**
   Show what you built.
5. **Interview practice**
   Get ready for your first interviews.

YOU WILL BUILD

11. **Live Prediction App**
    Enter details, get a prediction on a real link.
12. **Capstone Project**
    Your own real dataset, built end to end.

What you will build

12 real projects. One clear result from each.

01	**Marks Calculator** Work out each student's total.	Week 1
02	**Attendance Checker** Find who is short of attendance.	Week 2
03	**Expense Tracker** See where the money is going.	Week 3
04	**Student Results Analysis** Find the subjects pulling results down.	Week 4
05	**Messy Sales Data Cleanup** Turn messy data into numbers you can trust.	Week 5
06	**Online Store Report** Find which products make the most money.	Week 6
07	**IPL Data Report** Find what really wins matches.	Week 7
08	**A/B Test Decision Report** Decide which version should launch.	Week 8
09	**House Price Predictor** Predict what a home is really worth.	Week 9
10	**Customer Churn Predictor** Predict who is about to leave.	Week 10
11	**Live Prediction App** Enter details, get a prediction on a real link.	Week 11
12	**Capstone Project** Your own real dataset, built end to end.	Week 12

Our student community in colleges

Students take the mic, ask real questions and lead the conversation at our college sessions.









What our students say



"The mentors explain everything with practical examples."

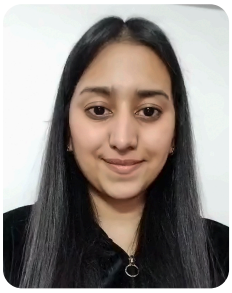
Shreshtha Srivastava

JNU

★★★★★

5.0

out of 5



"I highly recommend this program to anyone learning AI."

Swarnim Tomar

Delhi University

★★★★★

5.0

out of 5



"A really wonderful and intellectually enriching experience."

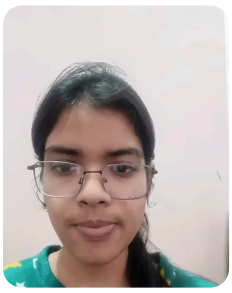
Aryan Makvana

Vishwakarma Govt. Engineering College

★★★★★

5.0

out of 5



"One of the best decisions of my life."

Prachi Jain

MVN University

★★★★★

4.8

out of 5



"It turned out to be a really good decision."

Anshuman Sachdeva

Govt. College of Engineering & Tech

★★★★★

5.0

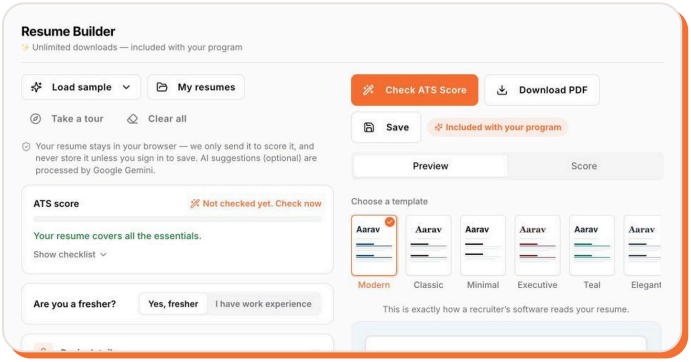
out of 5

Student community across India | **4.8** stars on Google

Career support, included in your program

You don't get just classes. These tools come with your Python with Data Science program.

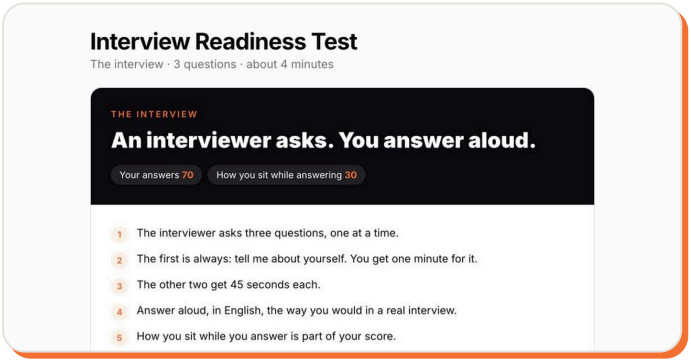
All included in this program
Every feature here is already inside your student dashboard.



INCLUDED IN YOUR PROGRAM

Resume Builder

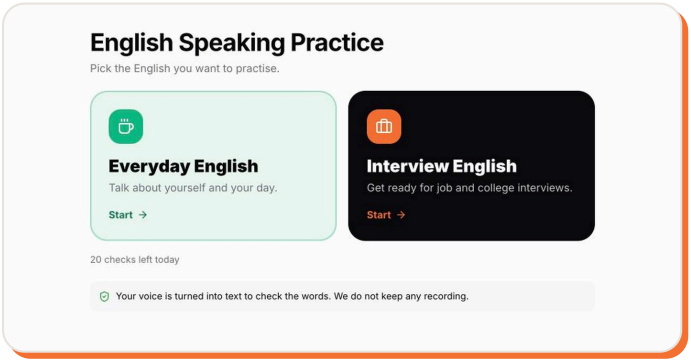
Build your resume, check its ATS score and download it as a PDF. Six templates to choose from.



INCLUDED IN YOUR PROGRAM

Interview Readiness Test

An interviewer asks three questions and you answer aloud. About four minutes, and you get a score.



INCLUDED IN YOUR PROGRAM

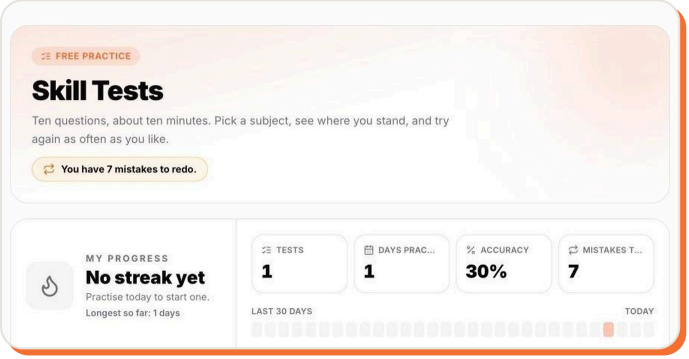
Speaking Practice

Practise Everyday English or Interview English out loud, and get your words checked.

Practise until you are ready, all included

Practise whenever you want, on your laptop or phone.

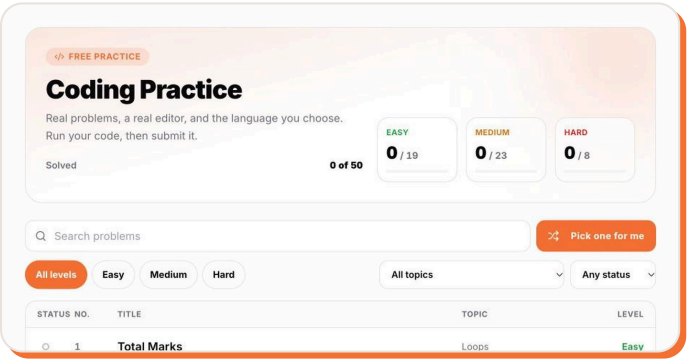
All included in this program
Every feature here is already inside your student dashboard.



INCLUDED IN YOUR PROGRAM

Skill Tests

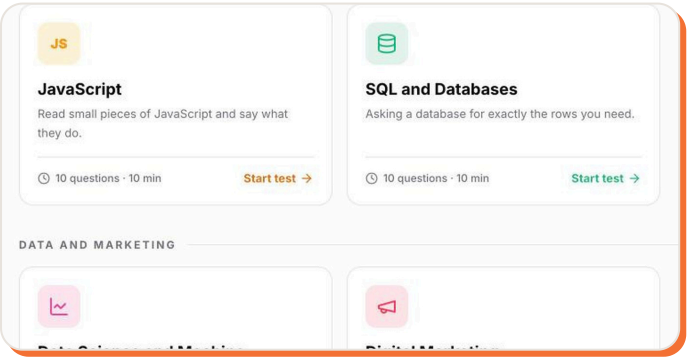
Ten questions, about ten minutes. See where you stand, then redo your mistakes.



INCLUDED IN YOUR PROGRAM

Coding Practice

50 problems from easy to hard, in a real editor. Run your code, then submit it.



INCLUDED IN YOUR PROGRAM

Practice Questions

Ready question sets on Python, SQL and Data Science. Ten questions, ten minutes.

ALSO INCLUDED
LinkedIn sessions · GitHub portfolio · Mock interviews

Tools You Will Use

- Python
- Colab
- Jupyter
- NumPy
- Pandas
- SQL
- Matplotlib
- Seaborn
- Scikit-learn
- TensorFlow
- Streamlit
- Power BI
- GitHub
- ChatGPT
- Claude

Enhance Your Productivity and Future-Proof Your Career

Data skills set you apart in any field.

Others VS AI Academia

Benefits	AI Academia	Others
100% Live Interactive Sessions		
Mentors from the Industry		
12 Real Projects		
Industry-Relevant Certificates		
Real Data Practice		
Career Support		

Certificates

Finish the program and earn certificates that show your skills in Python and Data Science.





ISO 9001:2015 certified · MSME registered

AI ACADEMIA
-FUTURE EDUCATION-

Start from zero. Build real projects.

Your next step in Python and Data Science starts here.

What you get

- Live online classes
- 12 real projects
- Industry mentors
- Two certificates
- Career support

Scan to enroll

Point your phone camera at the code

Learn with 15 tools