AI ACADEMIA

AI and Machine Learning

From what AI is to building your own AI models

Mentors and panelists from

Google accenture Capgemini pwc

100% Online · Live Classes

New to AI? Basic Python needed.



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 AI basics. Learn together, step by step.

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 AI fits your own field.

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

6
New Frontiers
Go from your first model to a live AI app.

HOW AI WILL HELP YOU GROW

- Understand how AI really works.
- Build models that predict and classify.
- Create your own AI 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

New to Python? Start with our Python with Data Science program.

01	**AI basics and Python revisited** Weeks 1 and 2	
02	**Data and maths made simple** Weeks 3 and 4	
03	**Machine learning** Weeks 5 to 8	
04	**Deep learning** Weeks 9 and 10	
05	**Generative AI and LLMs** Week 11	
06	**Capstone and career** Week 12	

12	6	12	15
weeks	modules	projects	tools

MODULE 1 · WEEKS 1 AND 2

AI basics and Python revisited

01

Colab | ChatGPT | Claude | Python | NumPy | Pandas

WHAT YOU WILL LEARN

WEEK 1
What AI really is

1. **AI, ML and deep learning**
   What each one means, in plain words.
2. **Types of AI**
   From simple rules to modern models.
3. **AI around you**
   Where AI is used in real life.
4. **Your AI career roadmap**
   The skills and roles to aim for.
5. **Set up your tools**
   Get ready to build in Google Colab.

WEEK 2
Python revisited

1. **Quick Python revision**
   Loops, lists and functions.
2. **Python for AI**
   The parts of Python AI really uses.
3. **NumPy**
   Work with numbers at speed.
4. **Pandas basics**
   Handle tables of data.
5. **Practice problems**
   Get your Python back in shape.

YOU WILL BUILD

01 **Rule-Based Chatbot**
See how early AI worked.

02 **Simple Movie Recommender**
Suggest what someone should watch next.

MODULE 2 · WEEKS 3 AND 4

Data and maths made simple

02

Pandas | Matplotlib | Seaborn | Python | NumPy

WHAT YOU WILL LEARN

WEEK 3
Exploring data

1. **Cleaning data**
   Fix gaps and errors.
2. **Filtering**
   Find the data you need.
3. **Matplotlib**
   Draw clear charts.
4. **Seaborn**
   See patterns at a glance.
5. **Finding patterns**
   Learn what the data is saying.

WEEK 4
Maths without fear

1. **Vectors and matrices**
   How AI sees numbers, in plain words.
2. **Averages and spread**
   Describe any data simply.
3. **Probability**
   How AI handles uncertainty.
4. **How a model improves**
   Learning step by step.
5. **Maths in code**
   See every idea work in Python.

YOU WILL BUILD

03 **Student Performance Explorer**
Find what affects marks.

04 **Spam Word Checker**
Work out how likely a message is spam.

MODULE 3 · WEEKS 5 AND 6

Machine learning, part 1

03

Scikit-learn | Python | Pandas

WHAT YOU WILL LEARN

WEEK 5
Predicting numbers

1. **How machines learn**
   The core idea of machine learning.
2. **Train and test**
   Check a model on new data.
3. **Linear regression**
   Your first real model.
4. **Scikit-learn**
   Build models in a few lines.
5. **Reading the results**
   Know what your model is telling you.

WEEK 6
Predicting categories

1. **Classification**
   Predict yes or no.
2. **Logistic regression**
   A simple, powerful method.
3. **Decision trees**
   See how a model decides.
4. **Measuring accuracy**
   Know if your model is really good.
5. **Overfitting**
   Why a model can fool you.

YOU WILL BUILD

05 **House Price Predictor**
Predict what a home is worth.

06 **Loan Approval Predictor**
Predict whether a loan should be approved.

MODULE 3 · WEEKS 7 AND 8

Machine learning, part 2

03

Scikit-learn | Seaborn | Python

WHAT YOU WILL LEARN

WEEK 7
Finding groups

1. **Unsupervised learning**
   Learning with no answers given.
2. **Clustering**
   Find natural groups in data.
3. **Comparing models**
   Choose the one that works best.
4. **Real data practice**
   Use it on customer data.
5. **Introduction to PCA**
   Make big data simpler.

WEEK 8
Stronger models

1. **Random forest**
   Many trees, better answers.
2. **kNN**
   Learn from the closest examples.
3. **Tuning a model**
   Get better results.
4. **Introduction to SVM**
   Another way to separate data.
5. **Introduction to reinforcement learning**
   How AI learns by trying.

YOU WILL BUILD

07 **Customer Segments**
Group customers who are alike.

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

MODULE 4 · WEEKS 9 AND 10

Deep learning

04

TensorFlow Colab

WHAT YOU WILL LEARN

WEEK 9
Neural networks

1. **How neural networks work**
   The idea behind deep learning.
2. **Layers**
   How a network is built.
3. **Training**
   How a network learns.
4. **TensorFlow**
   The tool to build networks.
5. **Your first network**
   Build one that really works.

WEEK 10
Image models

1. **Image classification**
   Teach a model to see.
2. **Transfer learning**
   Build on models already trained.
3. **Testing on real photos**
   Try it on your own images.
4. **Introduction to CNNs**
   How AI understands images.
5. **Introduction to RNNs and LSTMs**
   How AI handles sequences.

YOU WILL BUILD

09 **Handwritten Digit Reader**
Teach a computer to read numbers.

10 **Image Classifier**
Tell what is in a photo.

MODULE 5 · WEEK 11

Generative AI and LLMs

05

ChatGPT | Claude | Gemini | Hugging Face | Streamlit

WHAT YOU WILL LEARN

WEEK 11

How ChatGPT works

1. **How LLMs work**
   How ChatGPT and others understand language.
2. **Writing good prompts**
   Get better answers from AI.
3. **A simple AI app**
   Put your app on a live link.
4. **Introduction to NLP and transformers**
   The ideas behind modern AI.
5. **Introduction to GANs, diffusion and fine-tuning**
   How AI creates images and more.

YOU WILL BUILD

11 **AI Chat App**
Your own assistant on a real link.

MODULE 6 · WEEK 12

Capstone and career

06

Python GitHub

WHAT YOU WILL LEARN

WEEK 12

Capstone and career

1. **Choose a real problem**
   Pick something you care about.
2. **End-to-end AI project**
   From raw data to a working result.
3. **GitHub**
   Show your work to the world.
4. **Present your project**
   Share what you built, live online.
5. **Resume and interviews**
   Get ready for what comes next.

YOU WILL BUILD

12 **Capstone AI Project**
Your own real problem, built end to end.

What you will build

12 real projects. One clear result from each.

01	**Rule-Based Chatbot** See how early AI worked.	Week 1
02	**Simple Movie Recommender** Suggest what someone should watch next.	Week 2
03	**Student Performance Explorer** Find what affects marks.	Week 3
04	**Spam Word Checker** Work out how likely a message is spam.	Week 4
05	**House Price Predictor** Predict what a home is worth.	Week 5
06	**Loan Approval Predictor** Predict whether a loan should be approved.	Week 6
07	**Customer Segments** Group customers who are alike.	Week 7
08	**Customer Churn Predictor** Predict who is about to leave.	Week 8
09	**Handwritten Digit Reader** Teach a computer to read numbers.	Week 9
10	**Image Classifier** Tell what is in a photo.	Week 10
11	**AI Chat App** Your own assistant on a real link.	Week 11
12	**Capstone AI Project** Your own real problem, 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."

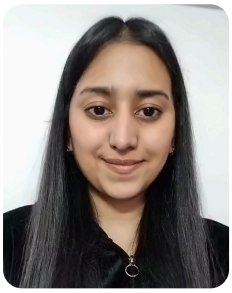
Shreshtha Srivastava

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."

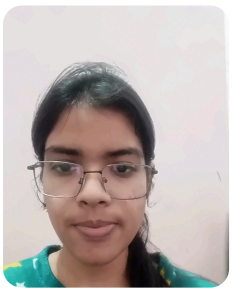
Aryan Makvana

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

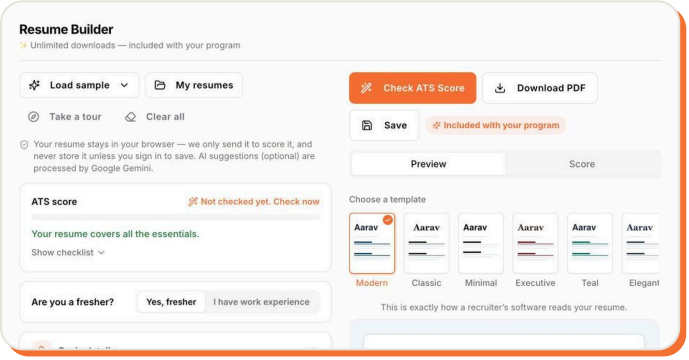
out of 5

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 AI and Machine Learning program.

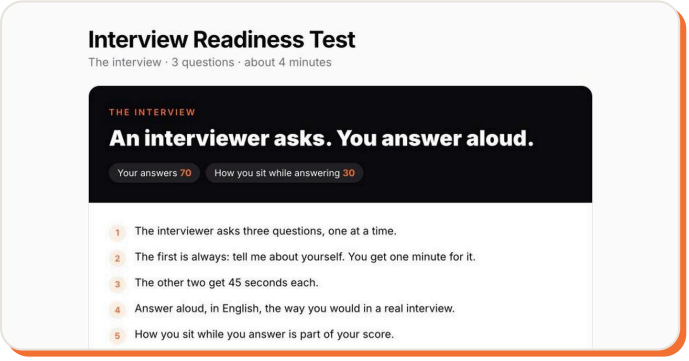
All included in this program
Every feature here is already inside your student dashboard.



INCLUDED IN YOUR PROGRAM

Resume Builder

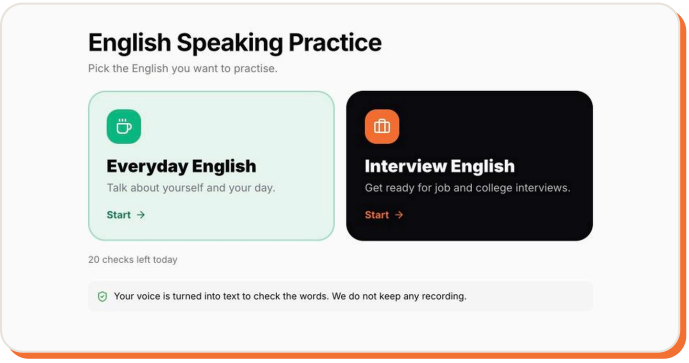
Build your resume, check its ATS score and download it as a PDF. Six templates to choose from.



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

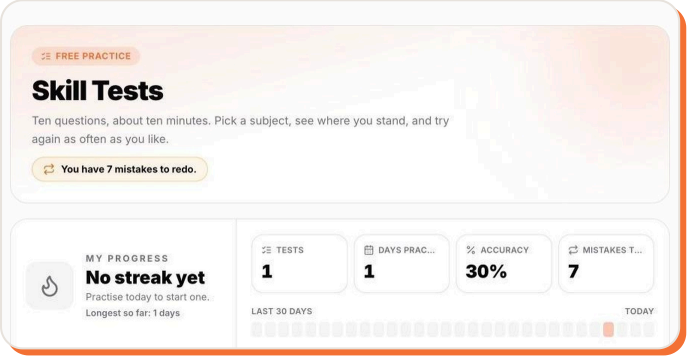
Speaking Practice

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.

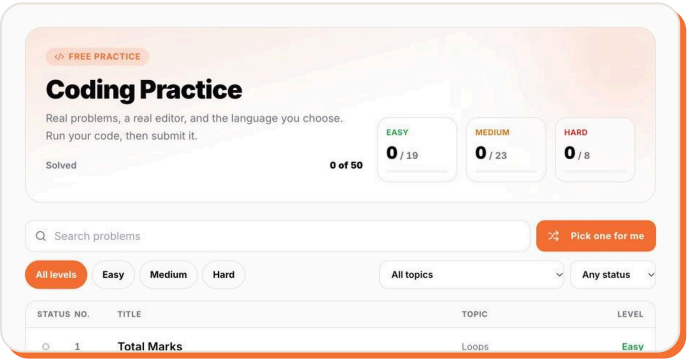
All included in this program
Every feature here is already inside your student dashboard.



INCLUDED IN YOUR PROGRAM

Skill Tests

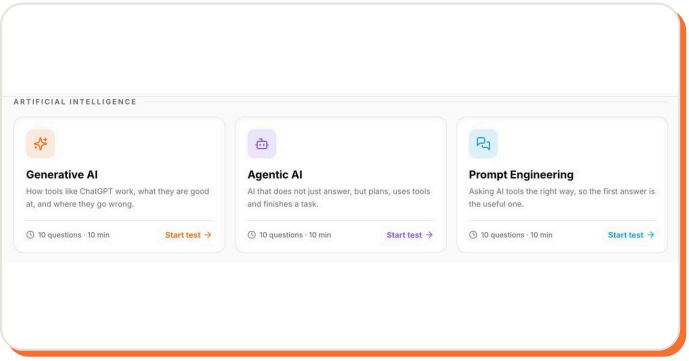
Ten questions, about ten minutes. See where you stand, then redo your mistakes.



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, Data Science and AI. Ten questions, ten minutes.

ALSO INCLUDED
LinkedIn sessions · GitHub portfolio · Mock interviews

Tools You Will Use

- Python
- Colab
- Jupyter
- NumPy
- Pandas
- Matplotlib
- Seaborn
- Scikit-learn
- TensorFlow
- Hugging Face
- Streamlit
- GitHub
- ChatGPT
- Claude
- Gemini

Enhance Your Productivity and Future-Proof Your Career

AI 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		
AI Model Building		
Career Support		

Certificates

Finish the program and earn certificates that show your skills in AI and Machine Learning.





ISO 9001:2015 certified · MSME registered

AI ACADEMIA
-FUTURE EDUCATION-

Start from zero. Build real AI models.

Your next step in AI and Machine Learning 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