

AI ENGINEERING

Train to be a skilled AI Engineer



PROGRAM OVERVIEW

➔ **Saturday Live Classes
for 2 months**

➔ **CV Review**

➔ **Interview
Preparation**

➔ **Post-Training
Support**

➔ **Mentorship
Sessions**

➔ **Career Pathway
Guidance**

➔ **One month
internship**

LinkedIn
➔ **Optimization**



WHY CONSIDER AI ENGINEERING?



AI Engineering gives you the ability to transform raw computational power into intelligent systems that reason, learn, and act. In today's economy, organizations no longer just need to understand data; they need to build systems that can predict outcomes, automate complex workflows, and solve problems autonomously. This shift has made AI Engineering one of the most critical and high-leverage skill sets in the world.

Learning AI Engineering equips you with the technical mastery to architect, fine-tune, and deploy sophisticated models. You will move beyond simply using AI tools to building them—learning how to integrate "agentic" capabilities into software and bridge the gap between raw code and human-like intelligence. This allows you to turn abstract algorithms into practical applications that drive real-world impact.

Beyond the massive career opportunities, AI Engineering empowers you to tackle humanity's most intricate challenges at scale. It is a future-ready discipline that ensures you remain at the forefront of innovation, giving you the power to not just adapt to a changing world, but to actively engineer it.

REQUIREMENTS



01

Duration
2 Months



02

Internship
4 Weeks



03

Skill Level
Beginner to
Master

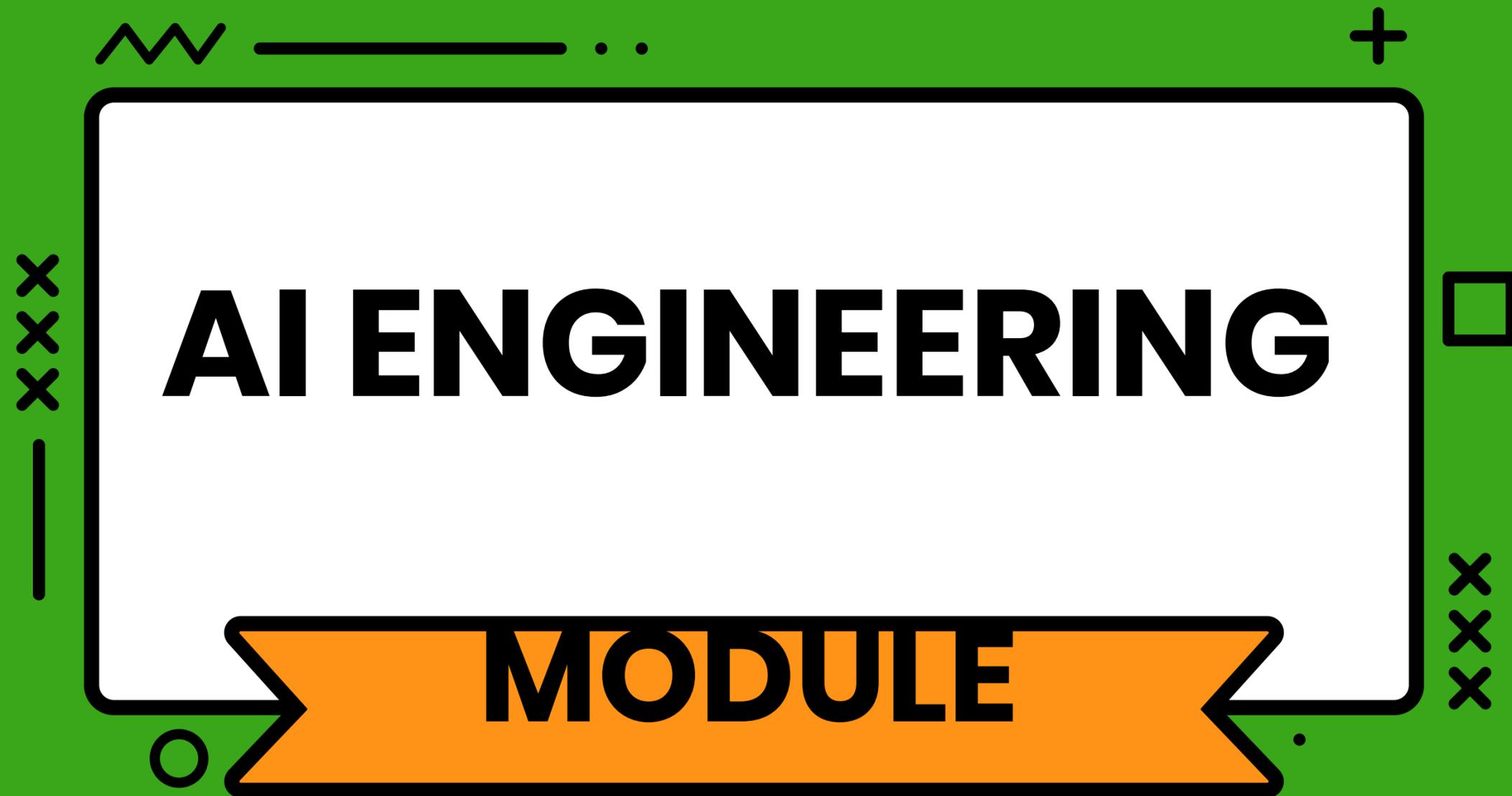


- Your career grows in the direction of your skills, discipline, and consistency—invest in all three.



OUR CURRICULUM



A graphic featuring a white rounded rectangle with a black border, set against a green background. The rectangle has a wavy line icon on the top left, a horizontal line with three dots on the top center, and a plus sign on the top right. On the left side, there are three 'x' marks and a vertical line. On the right side, there is a square icon and three 'x' marks. At the bottom left of the rectangle is a small circle. An orange banner with a black border and a pointed right end is positioned at the bottom of the rectangle, containing the word 'MODULE' in bold black capital letters. The text 'AI ENGINEERING' is written in large, bold, black capital letters across the center of the white rectangle.

AI ENGINEERING

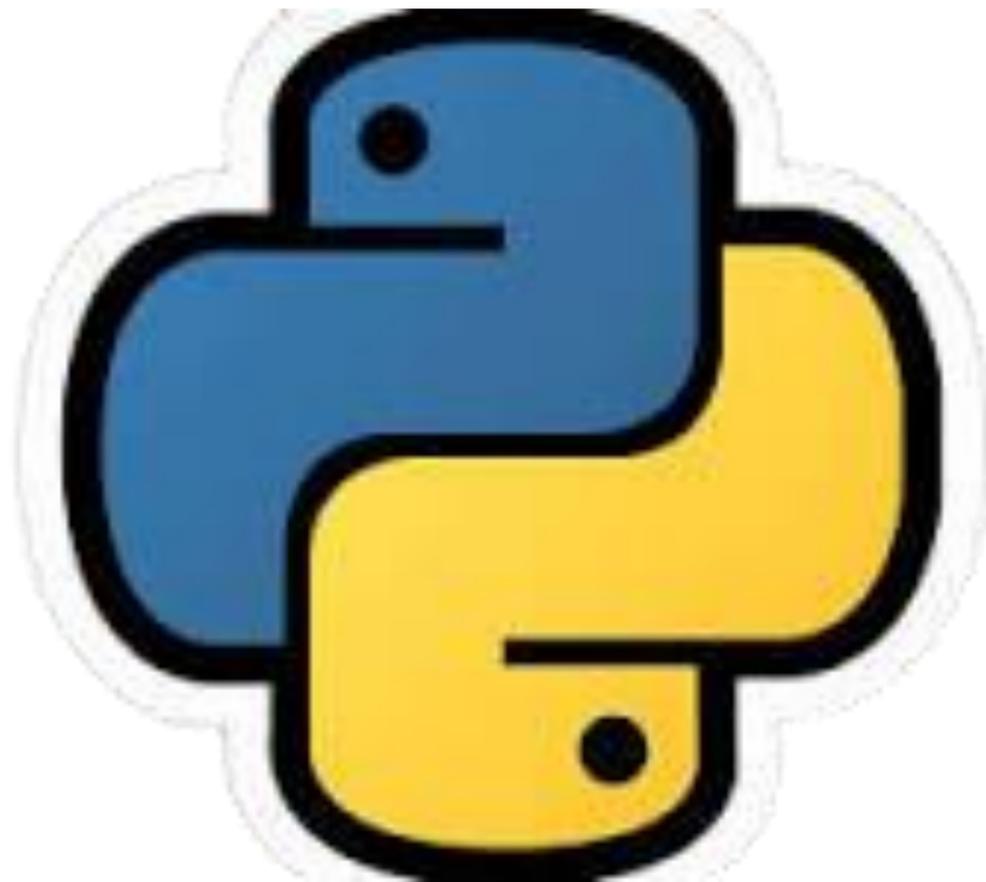
MODULE

AI ENGINEERING

Module 1

Python Programming for AI (Foundations to Intermediate)

- Introduction to Python for AI
- Jupyter Notebook, VS Code Setup
- Python data types, variables, operators
- Control flow (if, for, while)
- Functions and modules
- Data structures (lists, tuples, dictionaries, sets)
- File handling
- Virtual environments
- Basic OOP concepts
- Practical Python exercises

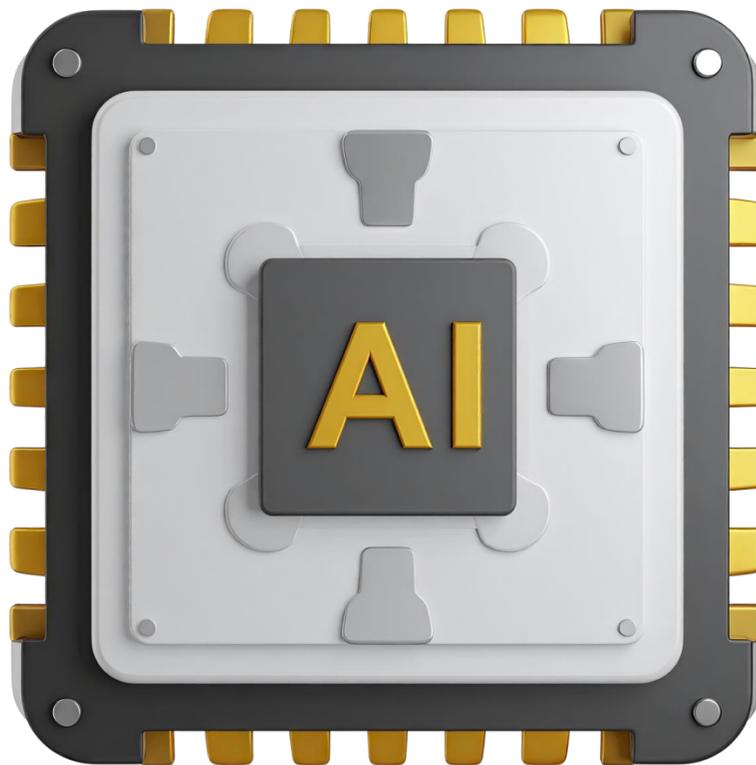


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Module 2

Mathematics for Artificial Intelligence (Applied & Industry-Friendly)

- Linear algebra for AI
 - Vectors, matrices, matrix operations
- Calculus essentials
 - Derivatives & gradients
- Probability for AI
 - Random variables, distributions
- Optimization concepts
 - Gradient descent, learning rates
- Applied mathematics mini-projects

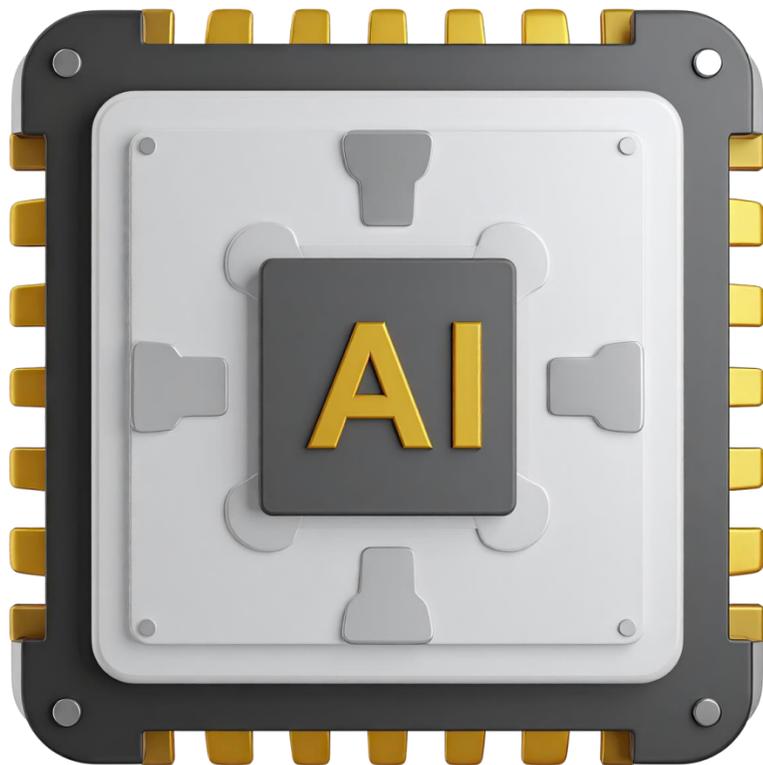


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Module 3

Data Handling for AI (NumPy, Pandas, Data Preprocessing)

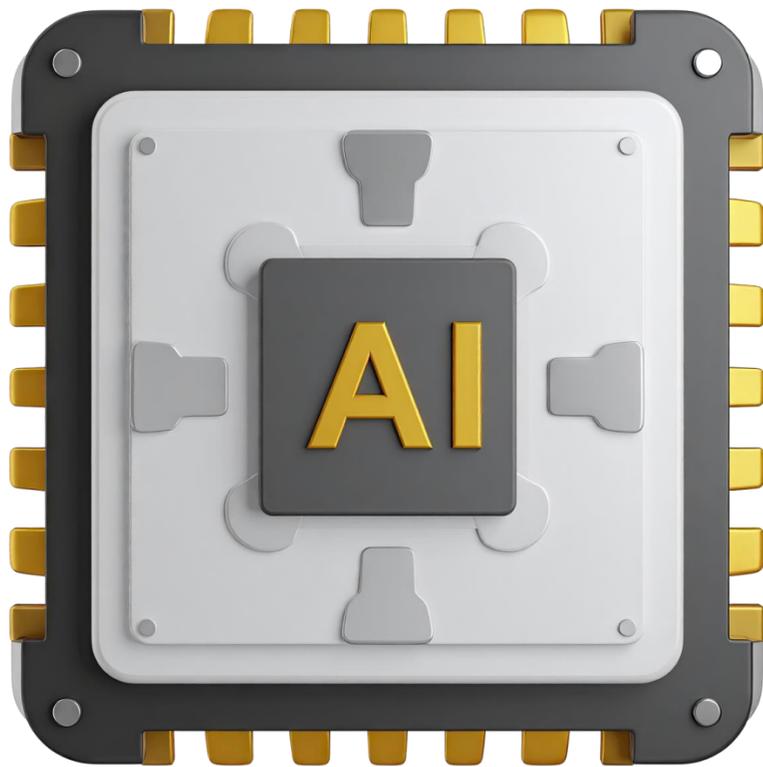
- Real-world data preprocessing mini-project
- NumPy for matrix operations
- Pandas for data manipulation
- Feature engineering for AI
- Handling missing/imbalanced data
- Data splitting and pipelines
- Building preprocessing scripts for ML/AI models



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Module 4

Machine Learning Foundations (Required for AI)

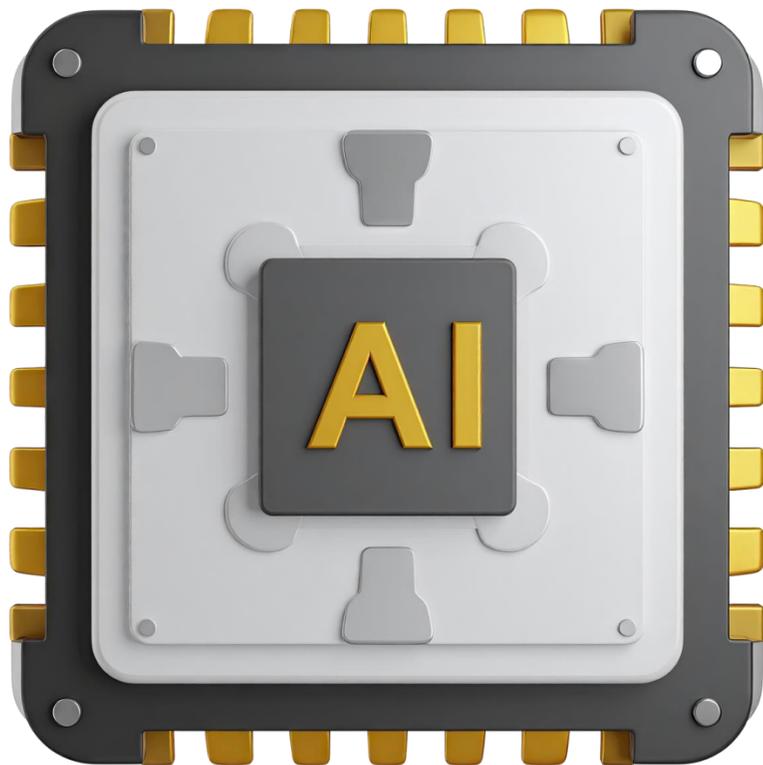


- Supervised learning
 - Regression, classification
- Unsupervised learning
 - Clustering, dimensionality reduction
- Train-test split, cross-validation
- Evaluation metrics
- Model tuning basics
- ML workflow for AI projects
- Mini-project: ML baseline system

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Module 5

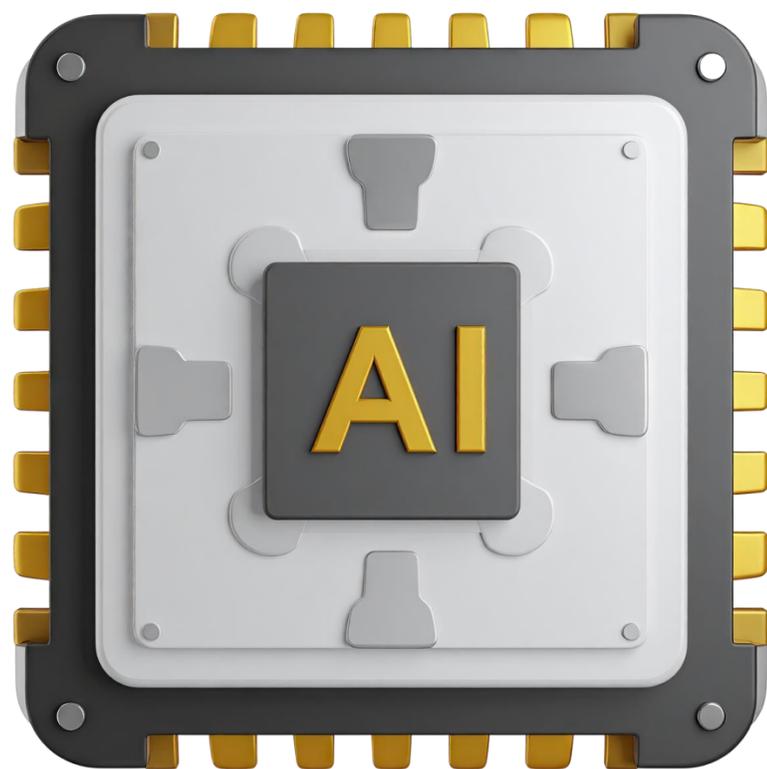
Introduction to Deep Learning



- What is deep learning?
- Neural networks (perceptron, activation functions)
- Forward & backward propagation
- Loss functions
- TensorFlow/Keras fundamentals
- Building your first neural network
- Hands-on mini DL project

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Module 6



Intro to Computer Vision & Natural Language Processing

Computer Vision:

- Image fundamentals: pixels, channels
- CNNs (conceptual introduction)
- Image classification basics
- Pretrained models overview

NLP:

- Text preprocessing
- Tokenization
- Word embeddings
- Sentiment analysis basics

Simple AI mini-projects:

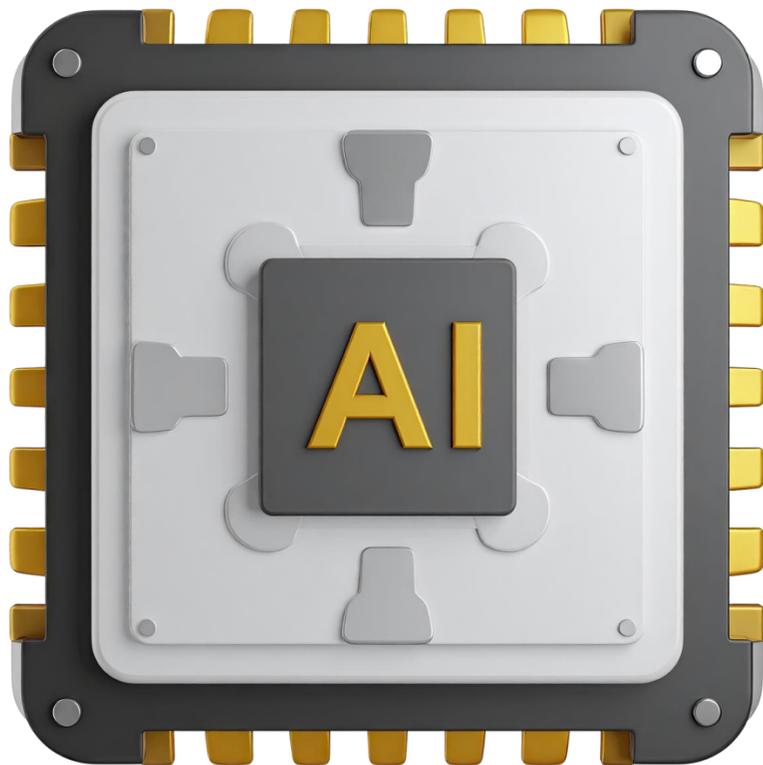
- Image classifier OR text sentiment classifier

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Module 7

Capstone Project (End-to-End AI System)

- Problem identification
- Data sourcing & modelling
- Model training & evaluation
- Presentation of AI solution
- Deployment overview



Industries That Employ AI Engineer

Technology and Software Companies

Finance and Banking

Healthcare and Pharmaceuticals

E-commerce and Retail

Telecommunications

Manufacturing and Production

Energy and Utilities

Government and Public Sector

Education and EdTech

Media & Entertainment



WHY TRAIN WITH US?



**Practical, Job
Ready Training**



**Industry-
Standard Tools
& Technologies**



**Expert
Instructors With
Real Experience**



**Personalized
Mentorship &
Support**



**Flexible and
Beginner-Friendly**



**Certification
That Boosts
Your CV**



**Career
Guidance &
Portfolio
Development**



**Supportive
Community**



**Proven Success
Stories**



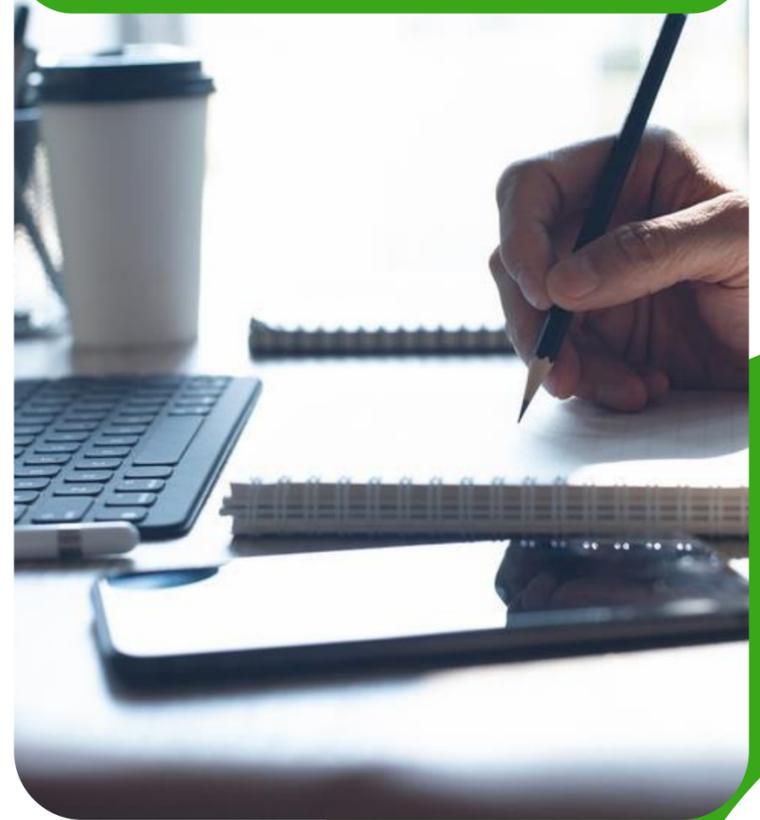
**Affordable
Quality Training**

case study



case study

case study



INTERNSHIP PROGRAM





JOIN OUR NEXT COHORT

A graphic illustration of a network or data structure. It features a central sphere composed of interconnected nodes and lines, with the letters 'AI' prominently displayed in the center. The background is a soft, blurred gradient of blue and orange, suggesting a digital or technological environment.

AI

2026 TRAINING CALENDER



January

10

Saturday

February

14

Saturday

March

14

Saturday

April

11

Saturday

May

09

Saturday

June

13

Saturday

July

11

Saturday

August

08

Saturday

September

12

Saturday

October

10

Saturday

November

14

Saturday

December

12

Saturday

PROGRAM FEES

Testimonial

The following are genuine testimonials that we have received from our past students who have proven the benefits of the services we have provided to them.



Sodiq



I've attended other online classes before, but Amdor Analytics stands out for me. The facilitator is engaging, the sessions are practical, and the support team is responsive. I feel like I'm part of a real community that wants me to succeed. I'm happy I made this choice



Chinasa Fabian-Ijeruh



Before joining Amdor Analytics, I had no prior tech background. Now, I can confidently analyze data and build reports. The facilitator is very supportive and always encourages us to practice. The training has made me believe that anyone can learn tech if they're in the right environment.



Chidimma Uzochukwu



It's been an eye-opening experience learning at Amdor Analytics. The way the facilitator breaks down each lesson into relatable examples makes learning easy. Even though the pace is fast sometimes, the explanations are clear, and the resources provided are excellent. I'm really grateful for this opportunity.

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CONTACT US



+234 811 408 7403



@amdoranalytics



www.amdoranalytics.io