AMDOR
ANALYTICS

AI ENGINEERING

Train to be a skilled AI Engineer

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2-Month Internship

PROGRAM OVERVIEW

- Saturday Live Classes for 6 months
- CV Review
- Interview Preparation
- Post-Training Support
- Mentorship Sessions
- Career Pathway Guidance
- 2 month internship
- LinkedIn Optimization
- Navigating the Job Market Session

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

6 MONTHS

02

Internship

8 Weeks

03

Skill Level

Beginner to Master

- Don’t wait for opportunities; build the skills that make opportunities come looking for you.

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OUR CURRICULUM

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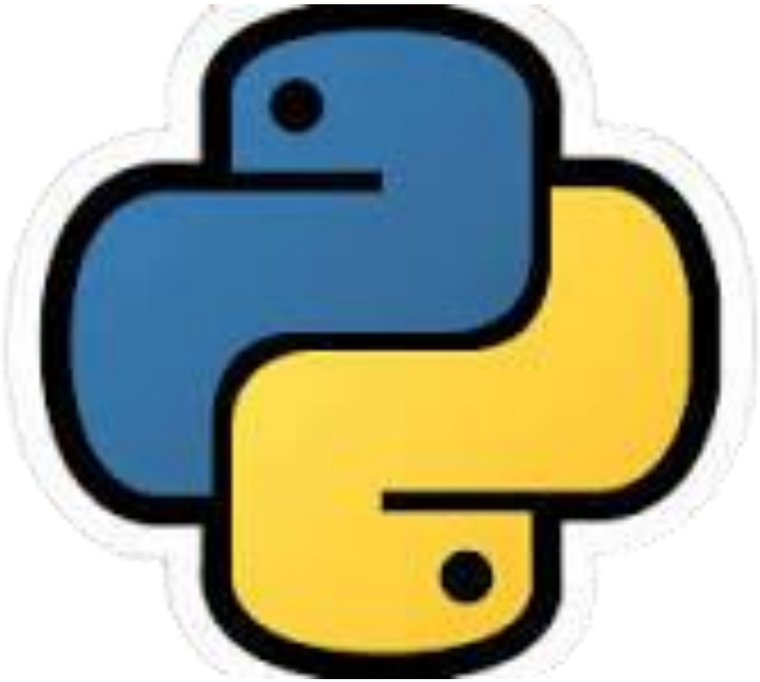
AI ENGINEERING

MODULE

AI ENGINERING



Module 1

Python for AI Engineering (Advanced)

Everything in the Professional Tier **PLUS**:

- Advanced OOP
- Decorators & generators
- Working with APIs
- Logging & error handling
- Python for automation
- Writing production-ready Python scripts

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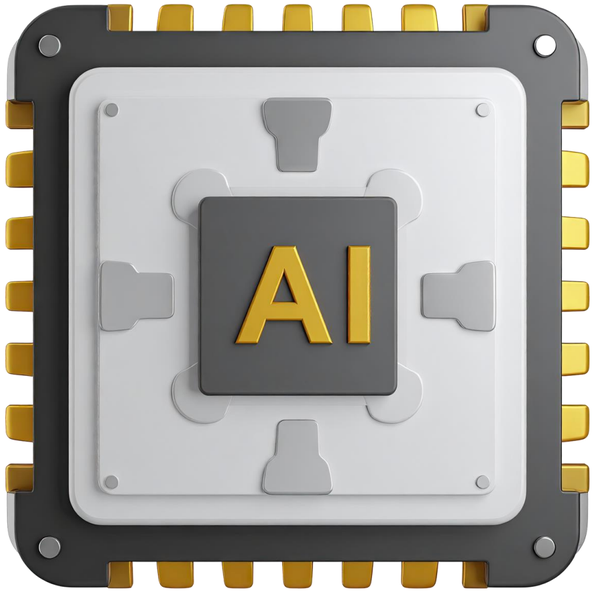
Module 2



Advanced Artificial Intelligence Mathematics

- Vector spaces
- Norms & distance metrics
- Optimization algorithms (SGD, Adam, RMSProp)
- Regularization techniques
- Understanding backpropagation deeply
- Applied math projects for real problems

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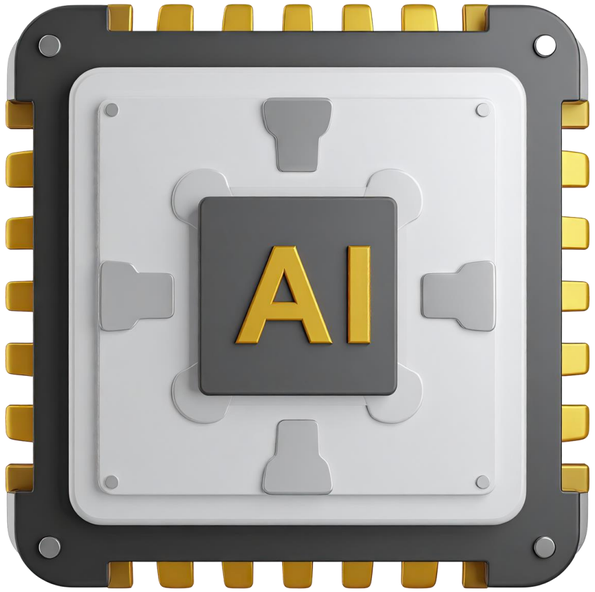
Module 3

Deep Learning (Advanced)



- Building deep neural networks
- Regularization (dropout, batch norm)
- CNNs in-depth
- Transfer learning
- Model fine-tuning
- Advanced model evaluation
- Deep learning project #1 (vision or NLP)

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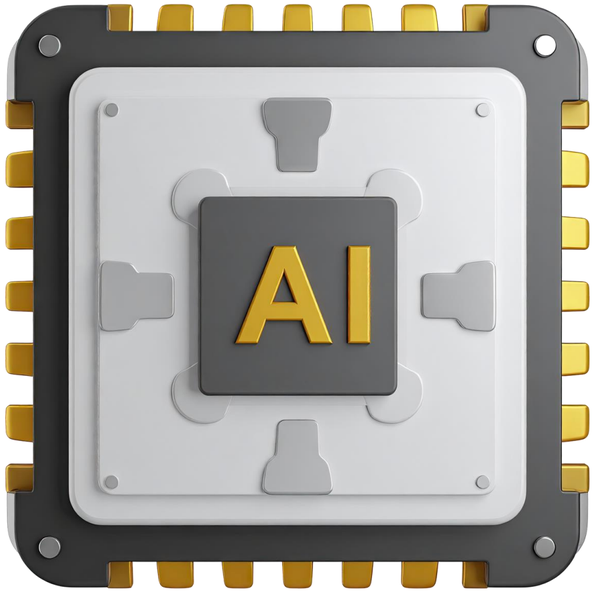
Module 4

Natural Language Processing (Advanced)



- Advanced text preprocessing
- Word embeddings (Word2Vec, GloVe)
- RNNs, LSTMs, GRUs
- Attention mechanisms (intro)
- Text classification & sequence modelling
- NLP project

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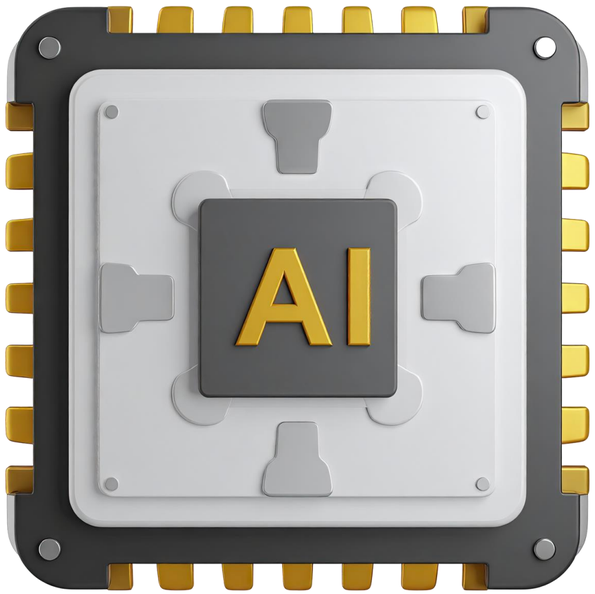
Module 5

Computer Vision Engineering (Advanced)



- Convolution operations (deep dive)
- Popular architectures: ResNet, MobileNet, EfficientNet
- Image segmentation basics
- Object detection (YOLO, SSD introduction)
- Data augmentation techniques
- Computer vision project

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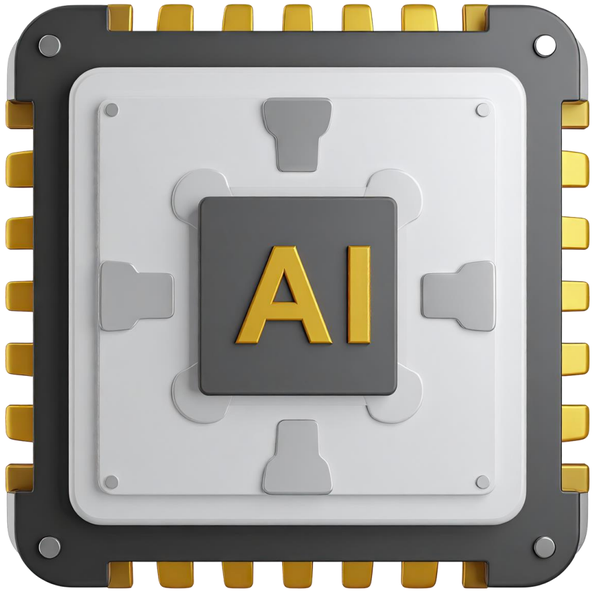
Module 6

Generative AI (Foundations)



- What are Generative Models?
- Autoencoders
- Variational Autoencoders (VAEs)
- Introduction to GANs
- Practical generative AI applications

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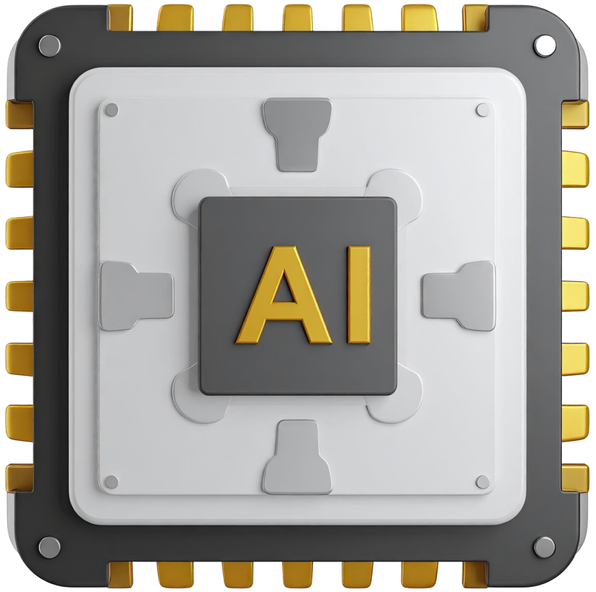
Module 7



MLOps & Model Deployment (Industry-Focused)

- Saving and exporting AI models
- Model packaging
- Flask & FastAPI for AI deployment
- Docker fundamentals
- Monitoring AI models
- CI/CD pipeline introduction
- Deployment project

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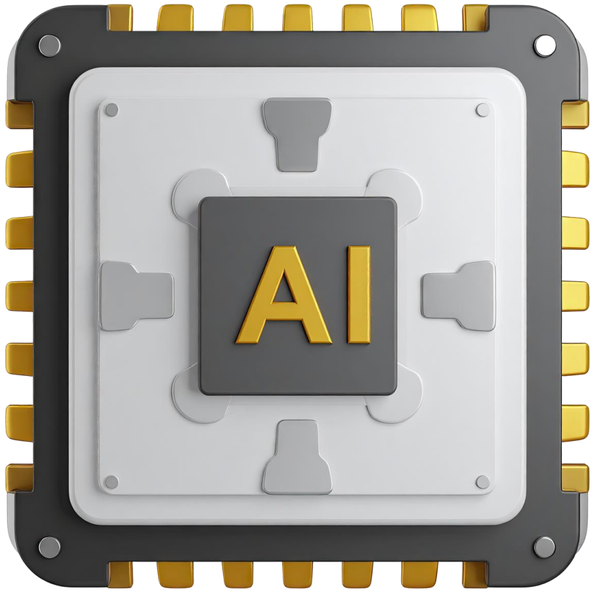
Module 8

Cloud AI Engineering



- AWS/GCP/Azure AI tools
- Cloud model hosting (SageMaker intro, Vertex AI)
- Managing scalable AI workflows
- Data pipelines for AI
- Cloud compute scaling (GPUs & accelerators)

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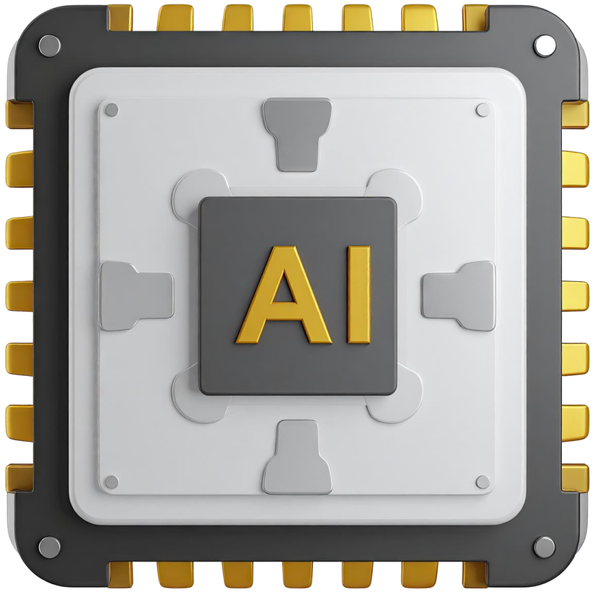
Module 9

Advanced Applied AI Systems



- Recommender systems (intro)
- Time-series forecasting with DL
- Fraud/Anomaly detection
- Real-world AI architectures
- Ethical AI, fairness & bias

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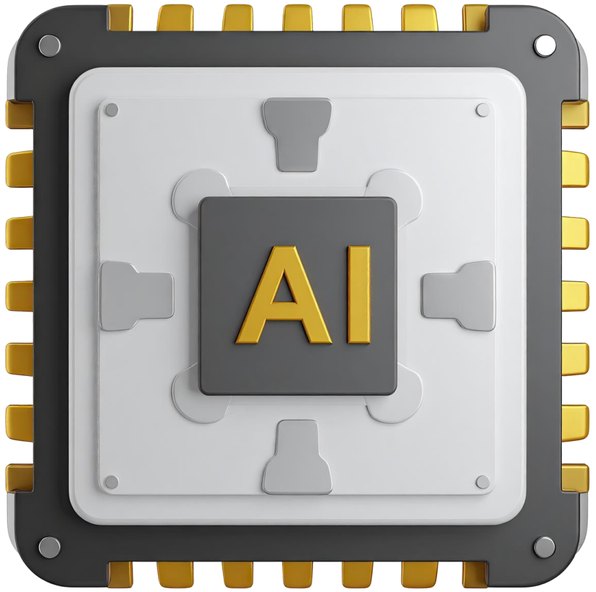
Module 10

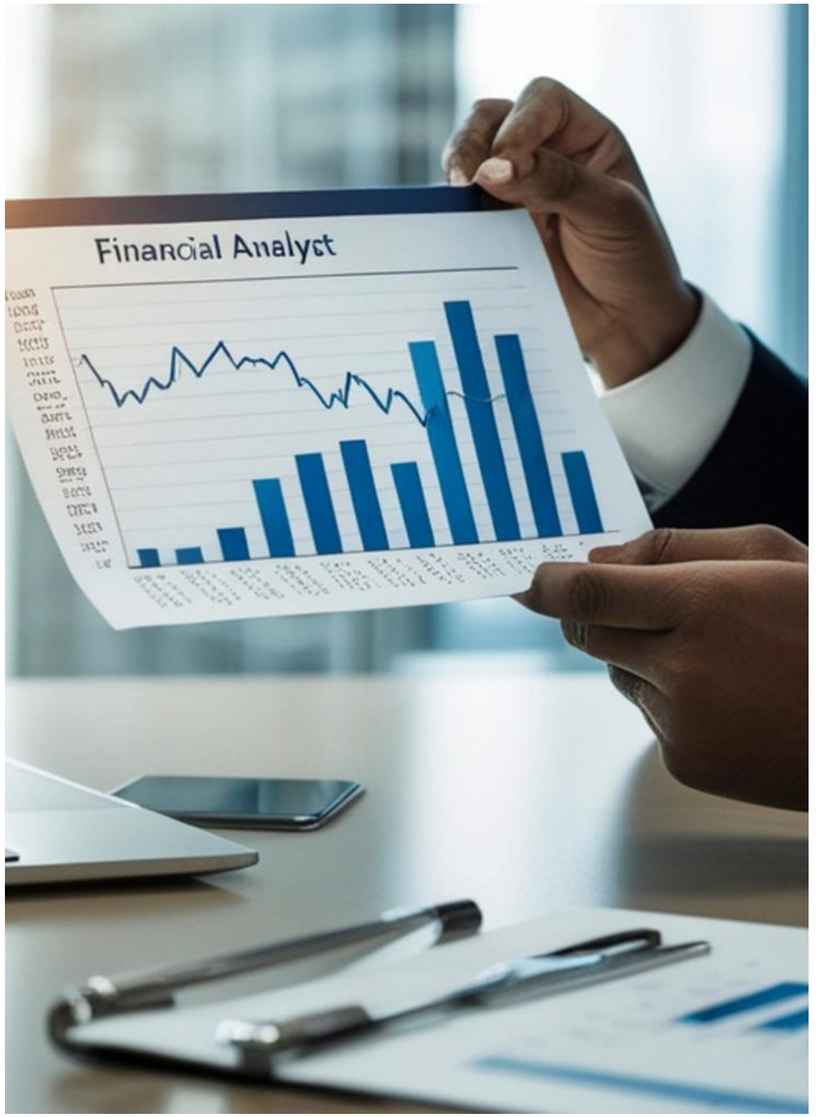


AI Engineering Capstone Project (End-to-End System)

- Problem framing
- Data engineering pipeline
- Model development (vision/NLP/tabular)
- Deployment using API or cloud platform
- Technical + business presentation
- Portfolio-ready submission

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



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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

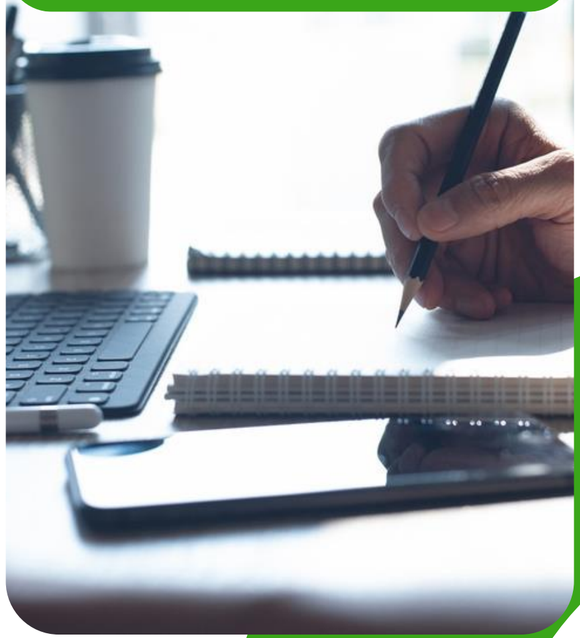
Proven Success Stories

Affordable Quality Training

Real life case studies

case study

case study



INTERNSHIP PROGRAM

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JOIN OUR NEXT COHORT

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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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