



iUniversity
BY IYDA

Executive Certificate in Artificial Intelligence & Machine Learning

iUniversity by IYDA

Duration	6 Months
Course Hours of Learning	220 Hours
Mode	Online / Offline / Hybrid
Eligibility	Graduate / Final Year Students / Working Professionals
Level	Beginners to Advanced
Certification	Executive Certificate from iUniversity by IYDA

Module 1: Foundations of Artificial Intelligence

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 2: Python Programming for AI & ML

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 3: Statistics and Mathematics for Machine Learning

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 4: Data Analysis and Visualization

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 5: Supervised Learning Algorithms

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 6: Unsupervised Learning Techniques

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 7: Deep Learning Fundamentals

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 8: Natural Language Processing (NLP)

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 9: Computer Vision Applications

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 10: Model Deployment and MLOps

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 11: AI Ethics and Responsible AI

Practical learning through hands-on assignments, case studies, and real-world projects.

Module 12: Capstone Project and Industry Case Studies

Practical learning through hands-on assignments, case studies, and real-world projects.

Tools & Technologies Covered:

- Python
- Jupyter Notebook
- Google Colab
- NumPy
- Pandas
- Matplotlib
- Scikit-learn
- TensorFlow
- Keras
- GitHub

Career Opportunities:

- AI Engineer
- Machine Learning Engineer
- Data Scientist
- AI Developer
- Business Intelligence Analyst
- ML Consultant
- Research Associate