






Online Certificate Program on

Applied Artificial Intelligence & Data Science






Transform Data into Intelligence – Build Real-World AI Solutions

06–28 June 2026 | Every Saturday–Sunday

India (IST): 7:00 PM |  Dubai (UAE): 5:30 PM |  Saudi Arabia: 4:30 PM | 
London (UK): 2:30 PM |  New York (USA): 9:30 AM |  Singapore: 9:30 PM

About the Course

This 4-week online certificate program is designed to provide a comprehensive and hands-on understanding of Artificial Intelligence and Data Science for real-world problem solving. The course covers essential concepts from Python programming to advanced Machine Learning and Deep Learning techniques. Participants will work with real-world datasets, gain practical exposure to industry tools, and develop end-to-end AI projects. With a strong focus on application-based learning, this program equips learners with job-ready skills and prepares them for careers in AI-driven domains such as healthcare, cybersecurity, and data analytics.

 Certificate (ISO-IAF Recognized) |  Live & Interactive Sessions | 
 Lecture Recordings |  PPTs & Study Material



- Indian Participants: Rs 8000/
- Other Participants: US 200 \$

Course Objectives

- Build strong foundations in AI & Data Science using Python
- Develop practical skills in Machine Learning model development
- Understand real-world data handling and preprocessing techniques
- Learn model evaluation, tuning, and deployment basics
- Apply AI techniques to solve real-life problems
- Enhance analytical and problem-solving skills through projects

Course Outcomes & Benefits

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- Perform data preprocessing and exploratory data analysis
- Develop ML models for classification and prediction
- Implement Deep Learning models using TensorFlow/Keras
- Gain hands-on experience with real-world datasets
- Build an industry-level AI mini project
- Create a strong portfolio for placements and career growth

Target Audience

- UG & PG Students (CSE, IT, ECE, Biomedical, Life Sciences)
- Research Scholars
- Early-career Professionals
- Faculty interested in AI applications

Software/Tools Required

- Python (Anaconda / Google Colab)
- TensorFlow / Keras
- Scikit-learn
- Jupyter Notebook
- Open-source datasets

Fee

- **Indian Participants: Rs 4000/-**
- **Other Participants: US 100 \$**



Course Module

Week 1: Foundations & Python for Data Science

- Python refresher for AI
- NumPy, Pandas, Matplotlib
- Data preprocessing & visualization
- Mini Assignment

Week 2: Machine Learning for Real Applications

- Supervised & Unsupervised Learning
- Classification & Regression Models
- Model Evaluation Metrics
- Case Study: Healthcare / Fraud Detection

Week 3: Deep Learning & AI Applications

- Introduction to Neural Networks
- CNN basics (Image applications)
- AI in Healthcare & Cyber Forensics
- Hands-on implementation using TensorFlow

Week 4: Industry Project & Deployment Basics

- End-to-end AI project development
- Model tuning & validation
- Introduction to model deployment
- Final Project Presentation & Evaluation

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