COSPIXARE
TECHNOLOGIES

4 To 6 Month Courses

ARTIFICIAL INTELLIGENT

AVAILABLE ON ONLINE LIVE CLASS

COSPIXARE
TECHNOLOGIES

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1. Introduction to Artificial Intelligence

Understand the evolution, definition, and scope of AI. Learn real-world applications in healthcare, finance, robotics, marketing, and smart assistants.

Key Outcomes:

Understand where AI is used and why it matters.

2. Python Programming for AI

Master Python fundamentals: variables, loops, functions, error handling, object-oriented programming, and file operations.

Key Outcomes:

Write efficient Python code tailored for data and AI tasks.

3. Maths for AI – Linear Algebra & Statistics

Get hands-on with vectors, matrices, probability, distributions, and data normalization. Learn how these are applied in machine learning and AI algorithms.

Key Outcomes:

Strong mathematical base for understanding AI models.

4. Data Handling with NumPy & Pandas

Learn how to load, clean, and manipulate data using NumPy arrays and Pandas DataFrames. Perform descriptive statistics and exploratory data analysis.

Key Outcomes:

Prepare data for AI models with confidence.

5. Data Visualization using Matplotlib & Seaborn

Create stunning graphs and plots—line charts, bar graphs, heatmaps, histograms—to interpret and present AI data clearly.

Key Outcomes:

Turn raw data into compelling visual insights.

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6. Machine Learning Basics with Scikit-Learn

Understand supervised vs. unsupervised learning. Implement algorithms like linear regression, k-NN, decision trees, and clustering.

Key Outcomes:

Build your first machine learning models using real data.

7. Deep Learning with TensorFlow & Keras

Learn neural networks, activation functions, loss optimization, training loops, and overfitting. Build models for image and text classification.

Key Outcomes:

Understand the inner workings of deep neural networks.

8. Natural Language Processing (NLP)

Work with text data using tokenization, stemming, TF-IDF, and sentiment analysis. Build simple chatbots and language models.

Key Outcomes:

Analyze and build AI systems that understand language.

9. Computer Vision with OpenCV & TensorFlow

Use AI to understand images. Train models for face detection, object recognition, and image classification using real-world datasets.

Key Outcomes:

Apply AI in image-related use cases.

10. AI in the Real World: Case Studies

Explore how companies like Google, Amazon, and Tesla use AI. Work on mini-projects based on fraud detection, recommendation engines, and intelligent assistants.

Key Outcomes:

Understand enterprise-scale AI solutions.

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11. Capstone AI Project

Develop a complete AI system, e.g., movie recommender, email spam detector, or medical diagnosis model. Includes presentation and documentation.

Key Outcomes:

Showcase your understanding of end-to-end AI systems.

12. Career Readiness & Portfolio Building

Craft an AI-focused resume, create a GitHub profile, write technical blogs, and record video demos of your projects.

Key Outcomes:

Position yourself as an entry-level AI developer.

13. Final Assessment & NSDC Certification

Pass a written and practical test. Receive a Cospixare + NSDC-certified AI certificate on completion.

Key Outcomes:

Industry-recognized validation of your AI skills.

14. Internship Opportunity

Top performers will be offered a **3-month internship** where they'll contribute to real AI projects, work with data pipelines, and shadow experienced AI engineers.

Key Outcomes:

Practical AI experience before entering the job market.

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ABOUT THE PROGRAM:

Cospixare's Artificial Intelligence Program equips you with the skills to become a job-ready AI developer. Starting with Python and the math behind AI, you'll explore real-world data handling using NumPy, Pandas, and visualization tools like Matplotlib. Learn core AI concepts like machine learning with Scikit-Learn, deep learning with TensorFlow and Keras, and dive into NLP and computer vision. Through hands-on projects and case studies, you'll apply your skills in real-life scenarios. Wrap up with a capstone project, portfolio building, and a final certification. Top-performing students gain a 3-month internship to work on real AI pipelines with industry experts

For Both Enquiries, Contact Us

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