

COMPREHENSIVE CURRICULUM

Module 1: Software Development Basics

- Basics of Python
- Data Structures & Algorithms
- Software Design Patterns
- Clean Code Principles
- Testing & Debugging



Module 2: Data Science

- Linear Algebra for ML
- Statistics & Exploratory Data Analysis (EDA)
- SQL & Data Fundamentals
- Machine Learning Fundamentals
- ML Ops – Part 1 (Model Tracking, Versioning)

Module 3: Cloud Computing & MLOps

- Cloud Fundamentals (AWS/GCP/Azure Overview)
- Cloud Storage Systems
- ML Ops – Part 2 (CI/CD, Model Deployment)

Module 4: Data Engineering Basics

- ETL (Extract, Transform, Load) Processes
- Data Pipeline Development (Apache Airflow)
- Big Data Fundamentals (Spark, Hadoop)
- Data Quality & Validation Techniques

Module 5: Deep Learning

- Introduction to PyTorch
- Neural Networks: Basics & Design Principles
- Introduction to Transformers (BERT, GPT, etc.)
- LLMs (Large Language Models) & Multi-modal Learning

Module 6: Generative AI

- GenAI Development Techniques – Prompt Engineering
- GenAI with RAG (Retrieval-Augmented Generation)
- Fine-tuning & Deployment of GenAI Models
- AI Agents and Autonomous AI Systems
- End-to-End GenAI Application Development & Deployment

PROGRAM HIGHLIGHTS

- Industry-Relevant Curriculum
- Hands-On Learning
- Resume Building
- Mock Interviews
- Continuous Mentoring
- 100% Placement Guarantee

**JOB-READY
FOR THE
AI
REVOLUTION**



BICTORS



AI ENGINEERING & AUTOMATION

GET STARTED

CAREER PATH



CAREER POSSIBILITIES

Domain	% Approx.	Career Paths
AI/ML Development	30-35%	ML Engineer, GenAI Developer, NLP Engineer
Industrial Automation	15-20%	AI in Manufacturing, Predictive Maintenance
Data Science & Analytics	15-18%	Data Scientist, Analyst, BI Developer, Data Engineer
AI Research	10-12%	Research Engineer, LLM Researcher, Multi-modal AI
Automation Engineering	8-10%	DevOps, Test Automation, CI/CD Engineer
Healthcare AI	5-8%	Medical AI, Imaging, EHR NLP
Autonomous Systems	2-4%	Robotics AI, AV ML, Sensor Fusion
Cloud & MLOps	5-7%	Cloud ML Engineer, Model Deployment, CI/CD Systems
AI in Gaming & Simulation	2-3%	Game AI Developer, Multi-Agent Simulations
EdTech & Adaptive	2-3%	AI in Education, Personalized Learning System
AI Tredu& Development	3-4%	AI Product Owner, Full-stack AI Developer
Sustainability & Agri-AI	1-2%	Precision Agriculture, Climate Modeling AI
Conversational AI & Chatbots	3-5%	Chatbot Developer, Voice Assistant Engineer

WHY YOU SHOULD CHOOSE A CAREER IN DATA ANALYST?



DEMAND



GROWTH



IMPACT



VERSATILITY



INFLUENCE



SALARY

7 LPA

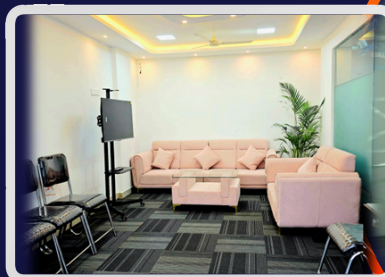
18 LPA

45 LPA

MIN

AVG

MAX



TOP HIRING PARTNERS



WHY BICTORS?

Choosing the right AI training institute is crucial for your career success. At BICTORS, we ensure that you receive top-notch education, practical experience, and career support to thrive in the AI industry

- Industry-Relevant Curriculum
- Hands-on Learning
- Expert Mentorship
- Career Support & Placement Assistance
- Cutting-Edge AI Tools & Technologies

- Targeted Training: Bictors provides specialized training in emerging technologies to equip students with industry-demanded skills.
- Industry-Driven Curriculum: Designing curriculum with industry experts ensures alignment with current industry demands.

TOOLS & TECHNOLOGIES COVERED



SUCCESS STORIES

ENROLLMENT INFORMATION

TOTAL LEARNING HOURS: 70-90 HOURS + 44 HOURS OF PRACTICAL ASSIGNMENTS

PROGRAM LENGTH: 12 WEEKS PART-TIME / 6 WEEKS FULL-TIME

UPCOMING BATCH

STARTING SOON



WHAT SETS US APART



Project-Based Learning



Continuous Assessment



Placement Guarantee



Career Support



Deba Prasad Pati

Palo Alto

Completed the Data Science course at BICTORS great curriculum, expert instructors, and hands-on projects. Their career support helped me land a great job. Highly recommended for starting out in Data Science!



Siddhant Sar

Flipkart

BICTORS combines expert teaching, practical examples, and constant faculty support to create a top-tier learning experience. It's the perfect launchpad for a successful Data Science career.



Sibani Mishra

Cardinal Health

Had a great learning experience at BICTORS. Skilled trainers, practical examples, and mock interviews helped me improve and land a role at a top product-based company. Highly recommend it!



Aradhana Chitre

Wells Fargo

Each topic is thoroughly explained with examples and key questions. The faculty is highly experienced and provides constant support throughout the course. I highly recommend Bictors for anyone looking to excel in Data Science.



Shrinivas G K

Cardinal Health

Completed the Data Science course at BICTORS and was truly impressed. Great curriculum, expert instructors, hands-on projects, and strong career support. Highly recommend it for a solid start in Data Science!



Sakti Prasad

CAPCO

Thanks to the exceptional training and continuous support from BICTORS and my mentors, I secured a Lead Analyst role at Capco with a competitive package within just a few months. Truly grateful!



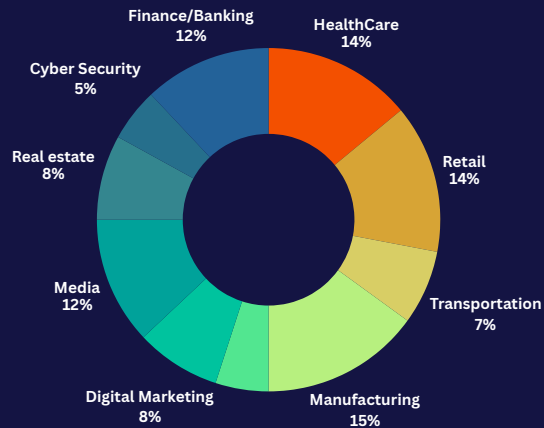
Nihar Ranjan

Cardinal Health

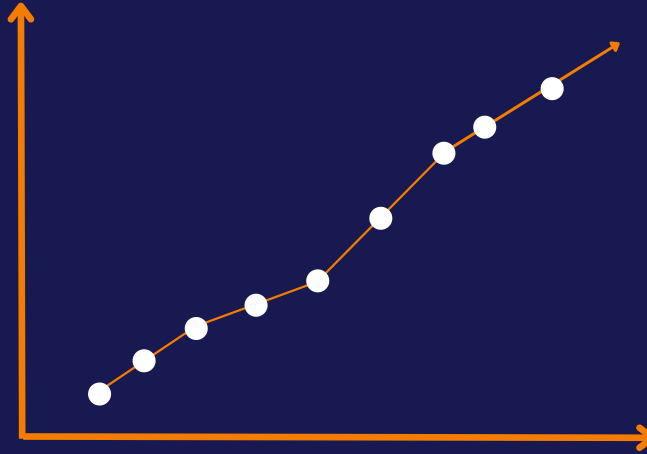
BICTORS offers excellent Data Science training with expert mentors, hands-on projects, and interview. Curriculum and practical insights make it a great choice for anyone looking to advance in Data Science. Highly recommended for career growth!



INDUSTRIES TO HIRE YOU



AI ENGINEER ROAD MAP



Top most targets

Career at BICTORS will help you to get into all the industries. Top most leading industries looking for you are :

- 01** Banking, Finance, Insurance, Credit Card
- 02** Supply chain, Retail marketing, Manufacturing
- 03** Health Care, Medicine, Medicals, Biotech, Pharma
- 04** News media, Ad industry, Social media, Digital marketing
- 05** Real estate, Civil & Mechanical industry, Service industry
- 06** Agriculture, Aerospace & Aviation industry, Automobile industry

- AI Problem Framing & Architecture Design
- Multimodal Data Ingestion & Preprocessing
- Tokenization & Data Curation for LLMs
- Scalable AI Pipeline Design
- EDA with Embeddings & Vector Insights
- Self-Supervised & Representation Learning
- Training Transformers & Foundation Models
- Model Evaluation with GenAI Metrics
- Experiment Tracking & Model Registry
- CI/CD for ML & GenAI Deployment
- LLM Integration via APIs & SDKs
- Prompt Engineering & Function Calling
- RAG with Vector DBs (FAISS, Pinecone)
- PEFT: LoRA, QLoRA, and Fine-Tuning
- Agentic AI with LangChain & CrewAI
- Multi-Agent Workflow Orchestration
- Human-in-the-Loop GenAI Systems



Write to us:

info@bictors.com



Visit us at:

www.bictors.com



Talk to us:

+91 7204442390

+91 8884050452