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Data Science & AI/ML

Where Talent Meets Training

ADVANCED PROGRAM IN ARTIFICIAL
INTELLIGENCE & MACHINE LEARNING



Why?

> Why AI ML?

AI & ML Aren't Just Buzzwords—They're The Rocket Fuel Powering The Next Industrial Revolution. By Slashing Weeks Of Work Into Days, Cutting Costs By Up To 90% Through Intelligent Automation, And Uncovering Strategic Insights Hidden In Mountains Of Data, These Technologies Empower Organizations To Accelerate Innovation Like Never Before.

From Supercharging Marketing ROI By 10–30% Through Hyper-Personalization To Driving A Forecasted \$4.4 Trillion In Productivity Gains By 2030, AI & ML Transform Every Link In The Value Chain—From Demand Forecasting To Real-Time Anomaly Detection—Giving Your Business A Sustainable Competitive Edge.

Who?

How?



Why?

> Why Learn High-Paying AI Skills In 2025?

Who?



How?

AI could contribute up to \$15.7 trillion to the global economy in 2030

2030



Why?

All regions of the global economy will experience benefits from artificial intelligence

Who?

Europe and Developed Asia will also experience significant economic gains from AI enhancing GDP by

26.1%

14.5%

Europe and Developed Asia will also experience significant economic gains from AI enhancing GDP by

9.9%

11.5%

10.4%

Total
\$10.7
Trillion

70%
of the
global
economic
impact

Developing countries will experience more modest increases due to the much lower rates of adoption of AI technologies expected.

How?

> Why Choose Us?

The AI/ML Advantage You Won't Find Elsewhere!

| Feature | Our Program | Others |
|---------------------------|--|-------------------------------------|
| Hands-On Learning | Build 15+ Data Science Models | Minimal Practical Exposure |
| Capstone Projects | 12 Real-World Projects, Including Generative AI | Few Or No Real World Projects |
| Large Dataset Training | Work On Data Sets With Thousands Of Rows | Limited Dataset Exposure |
| Career Support | Personalized Resume Review And Guidance | No Or Generic Career Support |
| Mock Interviews | Professional Industry Standard Mock Interviews With Resume Preparation | No Mock Interviews Or Basic Prep |
| Generative AI & AI Agents | Dedicated Projects and Training | Little To No Focus On Generative AI |
| AI Specialization | Focus On Cutting-Edge AI Advancements | Generic Data Science Training |
| Up-to-date Curriculum | Trainers With Latest Job Market Experience | Outdated Or Theoretical Syllabus |

Why?

Who?

How?

Why?

> Who Is This Program For?

Working Professionals With 0.5–2+ Years Of Development Experience

Students And Fresh Graduates Seeking To Build A Strong Foundation In Technology, Data Science, or Research

Professionals With Project-Building Experience Aiming To Transition From Service-Based Roles Into Specialized AI/ML Positions

Individuals Eager To Enter The AI/ML Domain With Demonstrated Discipline And Commitment To Learning

High-Octane Problem Solvers Who Excel At Coding Challenges But Need Guidance To Crack MAANG-Style Interviews

Learners Able To Commit To A Structured Curriculum, Complete Regular Assignments, and Showcase An AI/ML Portfolio Through Guided Real-World Projects

Who?

How?

Why?

› Duration – **9 months**

PHASE 1: 1–6 Months

- Foundation and Regression
- Regression and classification
- Unsupervised Learning
- Neural Networks
- Computer Vision

Who?

PHASE 2: 7–9 Months

- Natural Language Processing
- Generative AI
- Agentic AI
- Capstone Project With Career Impact

How?



Why?

> Program Highlights

Data Science with AI & ML

Who?

- 15+ AI & ML Models Built
- 198+ Hrs of Expert-Led Training
- 12 Capstone Projects, Including Generative AI
- 1-1 Mentor Support & Guidance
- Mock Interviews & Resume Building
- Weekly Contests & Performance Analysis
- Build & Deploy AI-Powered Applications
- Placement Support

How?

Why?

> Targeted Roles

- Data Analyst
- Data Scientist
- Machine Learning Engineer
- NLP Engineer
- Computer Vision Engineer
- Generative AI Engineer
- AI Researcher
- AI Operations Manager

Who?

Man enrolls in AI and machine learning course, gets job as data engineer with 100 per cent salary hike

A former TCS employee, who is the son of a farmer, got enrolled in an AI and machine learning course. After upskilling, he landed a job as a data engineer with 100 per cent salary hike.



A former TCS employee, who is the son of a farmer, got enrolled in an AI and machine learning course. After upskilling, he landed a job as a data engineer with **100% Salary Increase.**

Source – IndiaToday.com

How?

Why?

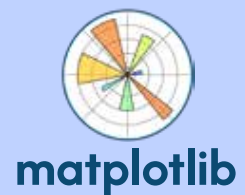
> Tools & Technologies

Data Manipulation & Feature Engineering

- Pandas
- Matplotlib
- Seaborn
- NumPy
- Scikit-Learn
- Inferential Statistics
- Exploratory Data Analysis
- Feature Engineering

Who?

How?



Why?

Regression & Classification

- Advanced Regression
- Logistic Regression
- Decision Trees
- Random Forests
- Boosting Methods
 - AdaBoost
 - Gradient Boosting Machine (GBM)
 - XGBoost / LightGBM
- Support Vector Machines (SVM)
- Model Evaluation Metrics
- Cross-Validation Techniques
- Feature Selection Methods

Who?

How?



Why?



Who?

Unsupervised Learning & Neural Networks

How?

- K-Means Clustering
- DBSCAN
- Principal Component Analysis
- t-SNE
- TensorFlow & Keras
- Artificial Neural Networks
- Regularization Techniques
- Optimizers & Schedulers
- Hyperparameter Tuning

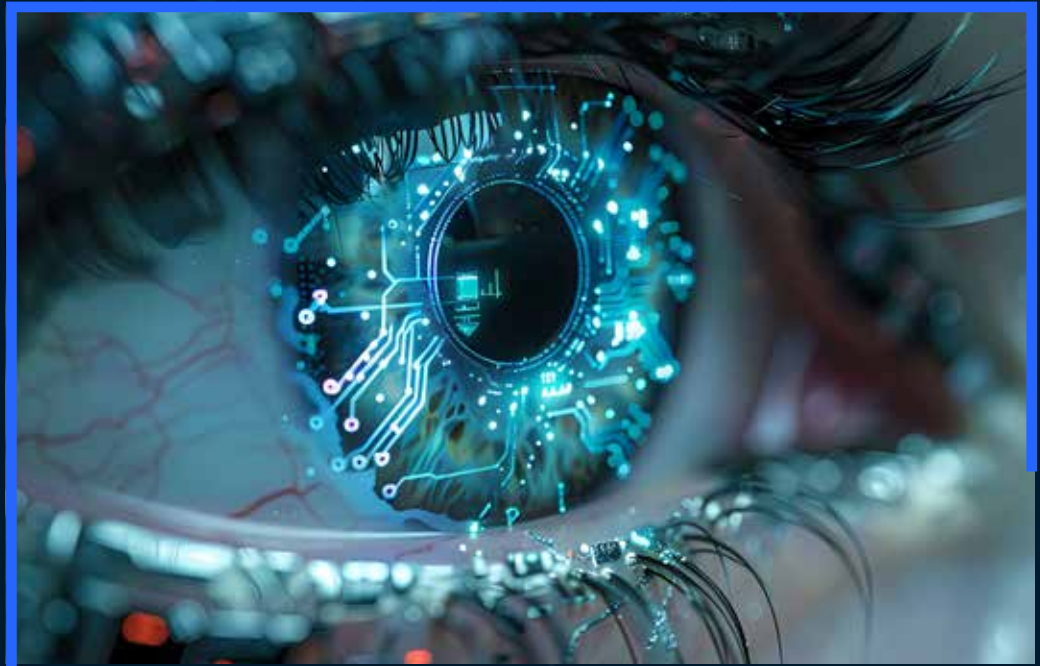
Why?

Computer Vision

- OpenCV
- PyTorch
- Convolutional Neural Networks
- Generative Adversarial Networks
- Image Classification
- Transfer Learning
- Object Detection
- Image Segmentation

Who?

How?



Why?



Who?

NPL

- Tokenization & Fundamental Terminology
- Text Preprocessing Techniques
- POS Tagging & Named Entity Recognition
- One-Hot Encoding & Bag-of-Words
- TF-IDF & Advanced Text Weighting
- N-Grams
- Word Embeddings

How?

Why?

Generative AI

- Transformer Architectures
- Attention Mechanisms
- BERT & Its Variants
- Model Evaluation Frameworks
- LLM-Powered Applications
- Retrieval-Augmented Generation
- Vector Databases
- Prompt Engineering
- LoRA Fine-Tuning
- Model Optimization Methods

Who?

How?



Why?



Who?

Agentic AI

- Langflow Studio
- LangGraph Engine
- Phidata Orchestrator
- Autogen Suite
- Pinecone Vector Database
- Redis In-Memory Store
- AutoGPT-Style Feedback Loops
- Containerization & Orchestration
- Agent Memory Systems
- CI/CD & Monitoring

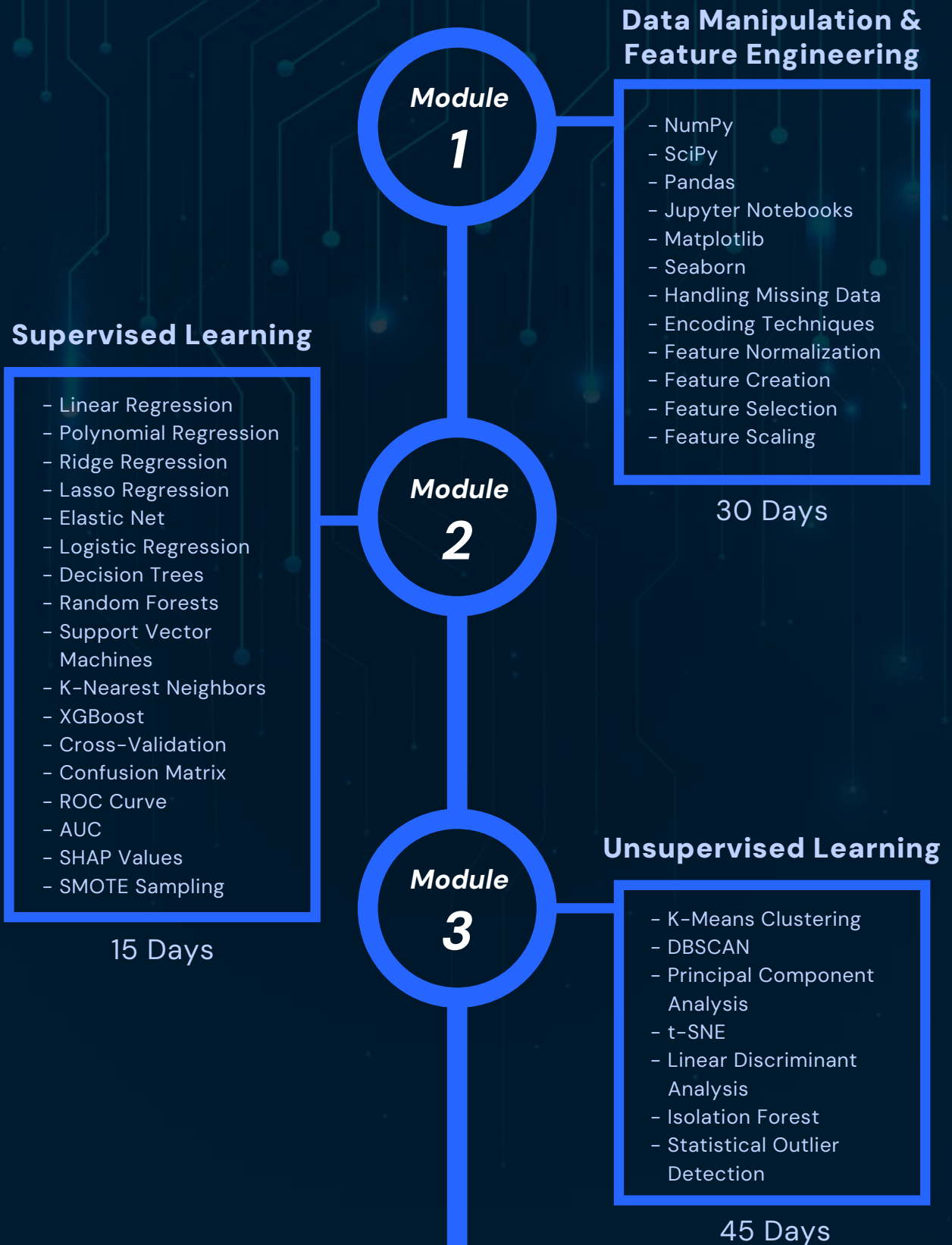
How?

> Curriculum & Delivery Blueprint

Why?

Who?

How?



Why?

Who?

How?

Module 4

Deep Learning Foundations

- Perceptron Model
- Activation Functions
- Forward Propagation
- Backpropagation
- Gradient Descent Optimization
- Learning-Rate Scheduling
- Dropout Regularization
- Batch Normalization
- TensorFlow Framework
- PyTorch Library

45 Days

Module 5

Computer Vision

- OpenCV Essentials
- Image filtering Techniques
- Image Transformations Methods
- Edge Detection Algorithms
- Data Augmentation
- Convolutional Neural Networks
- ResNet Architectures
- VGG Networks
- Faster R-CNN
- YOLO Object Detection

30 Days

Module 6

Natural Language Processing

- Text Tokenization
- Stemming Techniques
- Lemmatization Methods
- Part-Of-Speech Tagging
- Word2Vec Embeddings
- GloVe Embeddings
- BERT Fundamentals
- Recurrent Neural Networks
- Long Short-Term Memory Networks
- Encoder-Decoder Architectures

30 Days

Why?

Who?

How?

Module 7

Advanced Generative AI

- Transformer Architectures
- Text Modeling Techniques
- Multimodal Model Concepts
- Fine-Tuning Large Language Models
- Text Summarization
- Question Answering Systems
- Zero-Shot Prompting
- Chain-Of-Thought Prompting
- Generative Model REST APIs
- Hugging Face Ecosystem
- LangChain Framework
- Retrieval-Augmented Generation

45 Days

Module 8

Agentic AI

- Foundations of Agentic AI
- Agent Frameworks Deep Dive
- Multi-Agent System Design
- LLM Orchestration
- State Management & Workflow Automation
- Agent Memory System
- Reasoning Autonomous Decision-Making Pipelines
- System Architecture & Scalability
- Production Deployment & Monitoring

30 Days

Module 9

CapStone Project



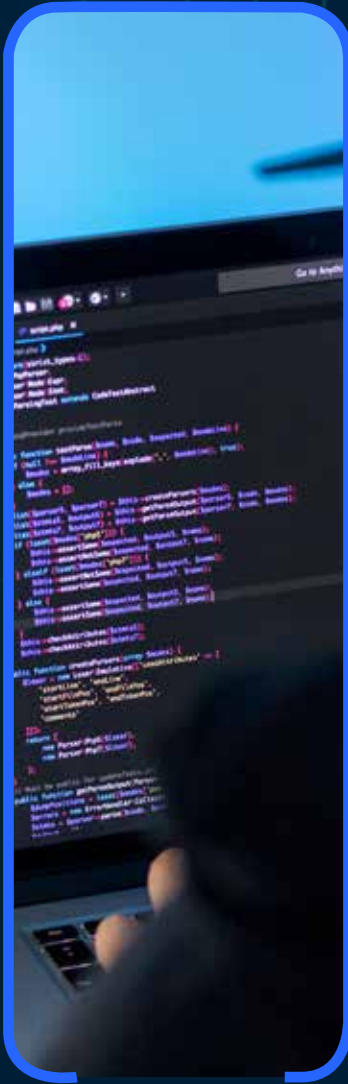
30 Days

Why?

> Prerequisites

- Basic Programming Concepts
- Problem-Solving Capabilities
- Code Comprehension
- Understanding Of Basic Data Structures Like Lists And Dictionaries
- Familiarity With Linear Algebra And Probability
- Basic Knowledge Of Machine Learning Concepts Is Advantageous

Who?



How?

Why?

> Selection Criteria Framework

Pre-Assessment Test

1. Skills Evaluation



- Basic Programming Concepts
- Problem-Solving Capabilities
- Code Comprehension
- Understanding Of Lists & Dictionaries
- Familiarity With Linear Algebra & Probability
- Introductory Machine Learning Concepts
- Foundational Software Engineering Knowledge



Who?

How?

Why?

Interview/Discussion Phase

- Personal Goals & Career Objectives
- Learning Motivation & Time-Commitment Availability
- Technical Background & Project Experience
- Value Alignment & Professional Ethics Assessment

Who?



How?

Final Decision Process

Why?



- Assessment Score Consolidation

Who?

- Interview Feedback Synthesis



How?



- Value Alignment Confirmation

> Reviews



Gavara Satya Pranathi



Suntek Corp's structured DSA training built a strong foundation and enhanced my problem-solving skills. Their guidance helped me ace technical interviews, leading to multiple summer internships, including offers from Google and Microsoft.



Rajasa



This Placement Training helped me secure a placement at Amazon. It covered aptitude, coding, and company-specific sessions. I'm grateful to the dedicated team for guiding me to crack big companies.



Richitha Kasula



The DSA classes improved my coding skills and logical thinking. Starting from basics helped me understand and apply concepts in PDSA labs. Math sessions and mentor support were extremely helpful.



Tanmayi



Being in the PDSA batch helped me focus on DSA. Topic-wise questions deepened my understanding. Weekend classes in aptitude and DSA were very useful and built a strong problem-solving mindset.



> Be Part of the Community

Join **10,000+** Members Community,
Learn by Teaching, Grow by Inspiring

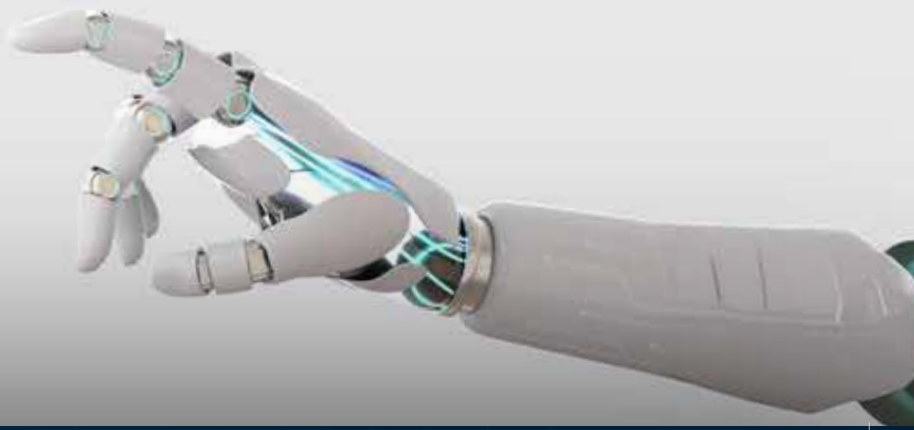
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Access to a community where growth never stops.

Get an opportunity to be a mentor who shapes real career success.

Share your expertise. Stay connected. Join now!





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Data Science With *AI & ML Course*

Master Complete AI ML In *7 Months*

> **Contact us**

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