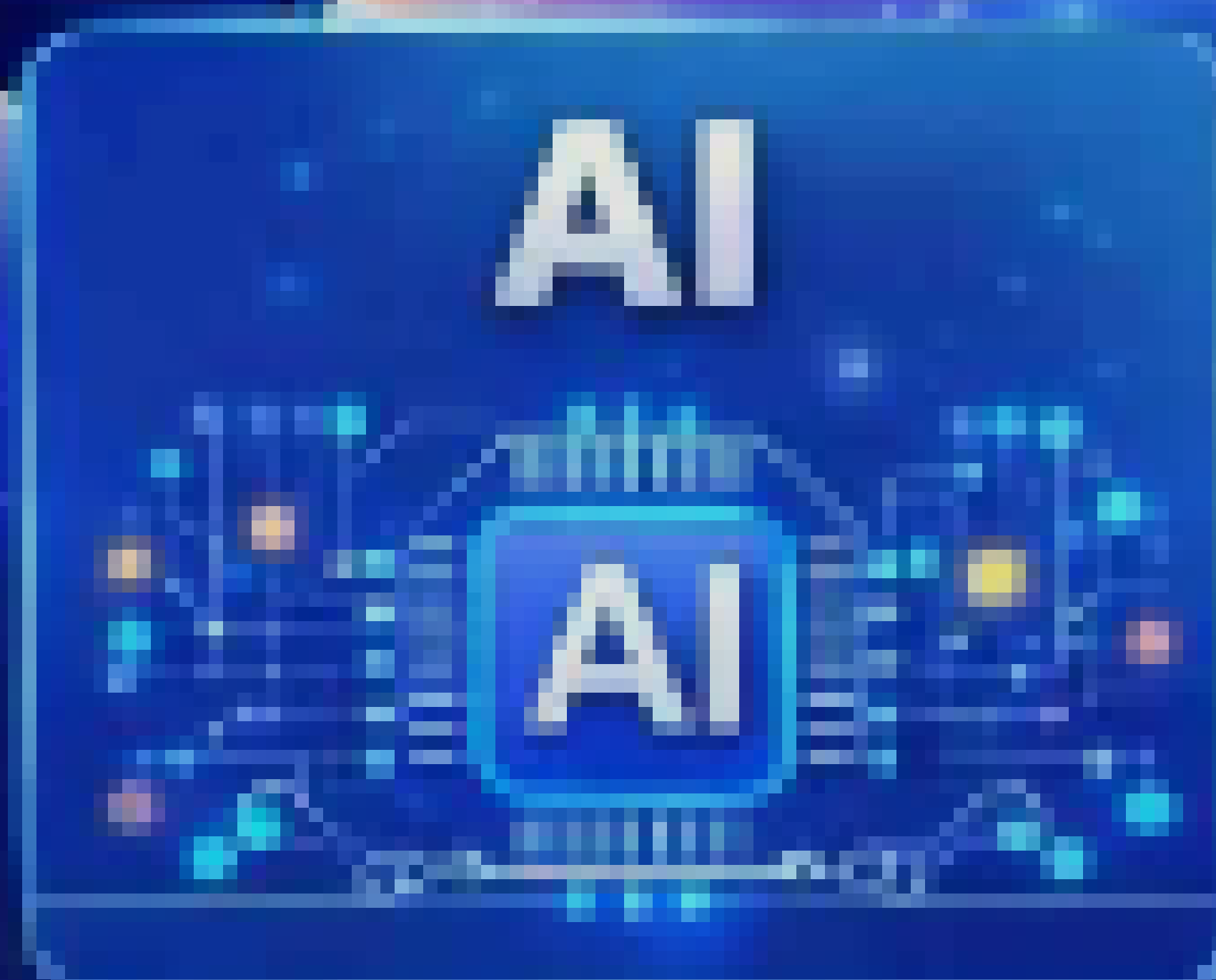
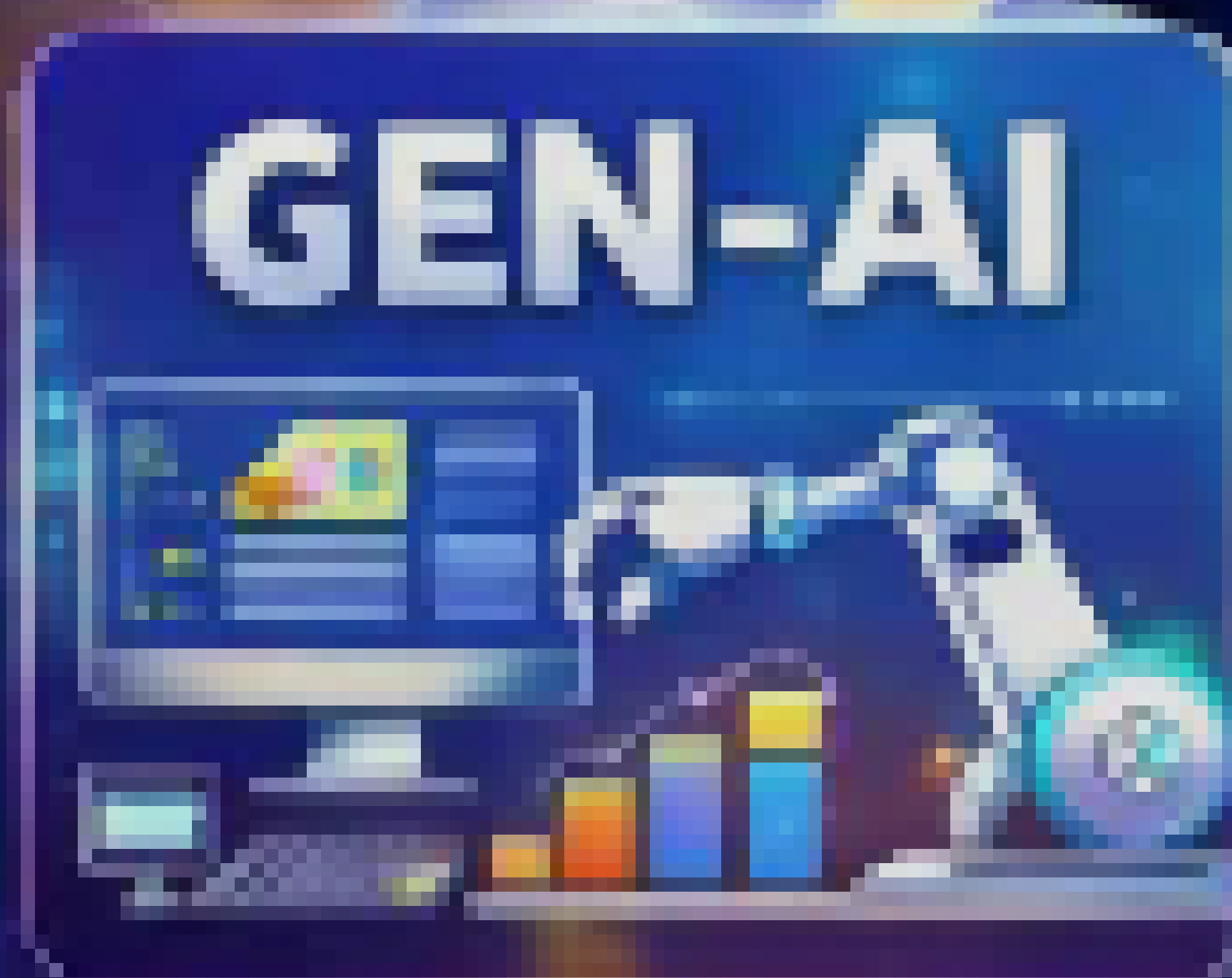
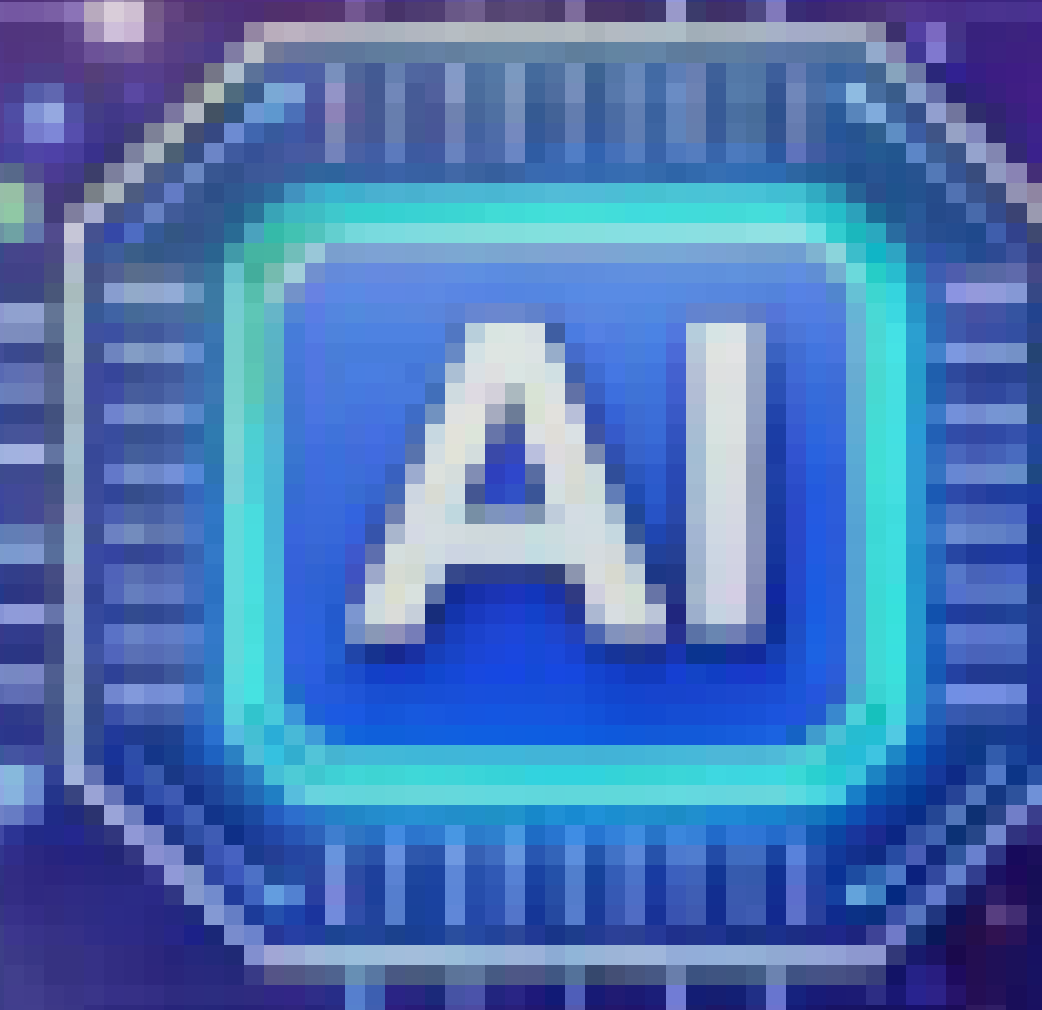


Gen AI , ML & DL

Summer Industrial Internship Program

(Batches start in May, June & July)

**ARTIFICIAL
INTELLIGENCE**



About The Program:

Kickstart your AI career this summer with REGex Software Service's "Gen-AI, ML & Deep Learning Internship Program" for IT students. Build practical skills in Artificial Intelligence, Machine Learning, Generative & Agentic AI and Neural Networks through this project-based training & internship program with industry guidance. The program is available Online and Offline in Jaipur & Ahmedabad.

If you want to step into the world of Artificial Intelligence, this summer internship program by REGex is the perfect opportunity for you.

Mode:

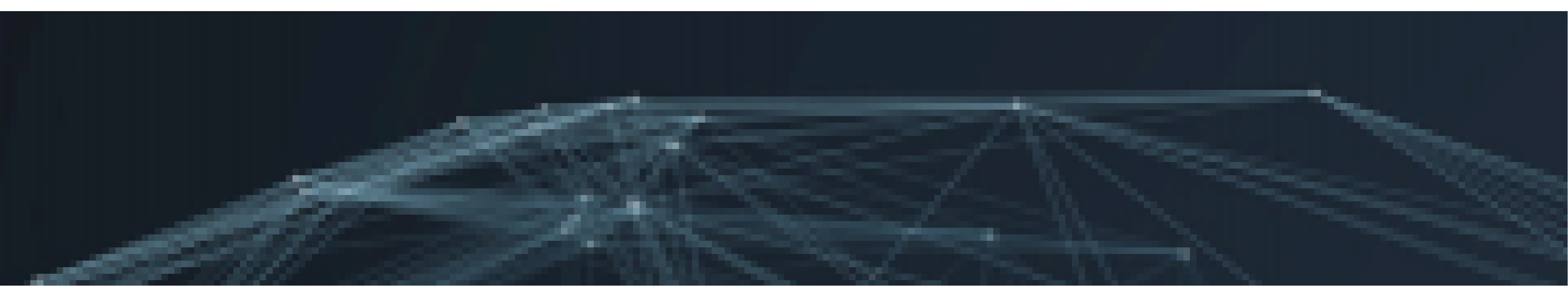
Physical (Jaipur, Ahmedabad)
or
Online (Google Meet)

Duration:

45 – 60 Days

Participants:

25-30 per Batch





Hands-On Experience

Work on real-world projects, solve challenges, and deliver impactful results.



Expert Mentorship

Get guidance from top-notch professionals in your domain.



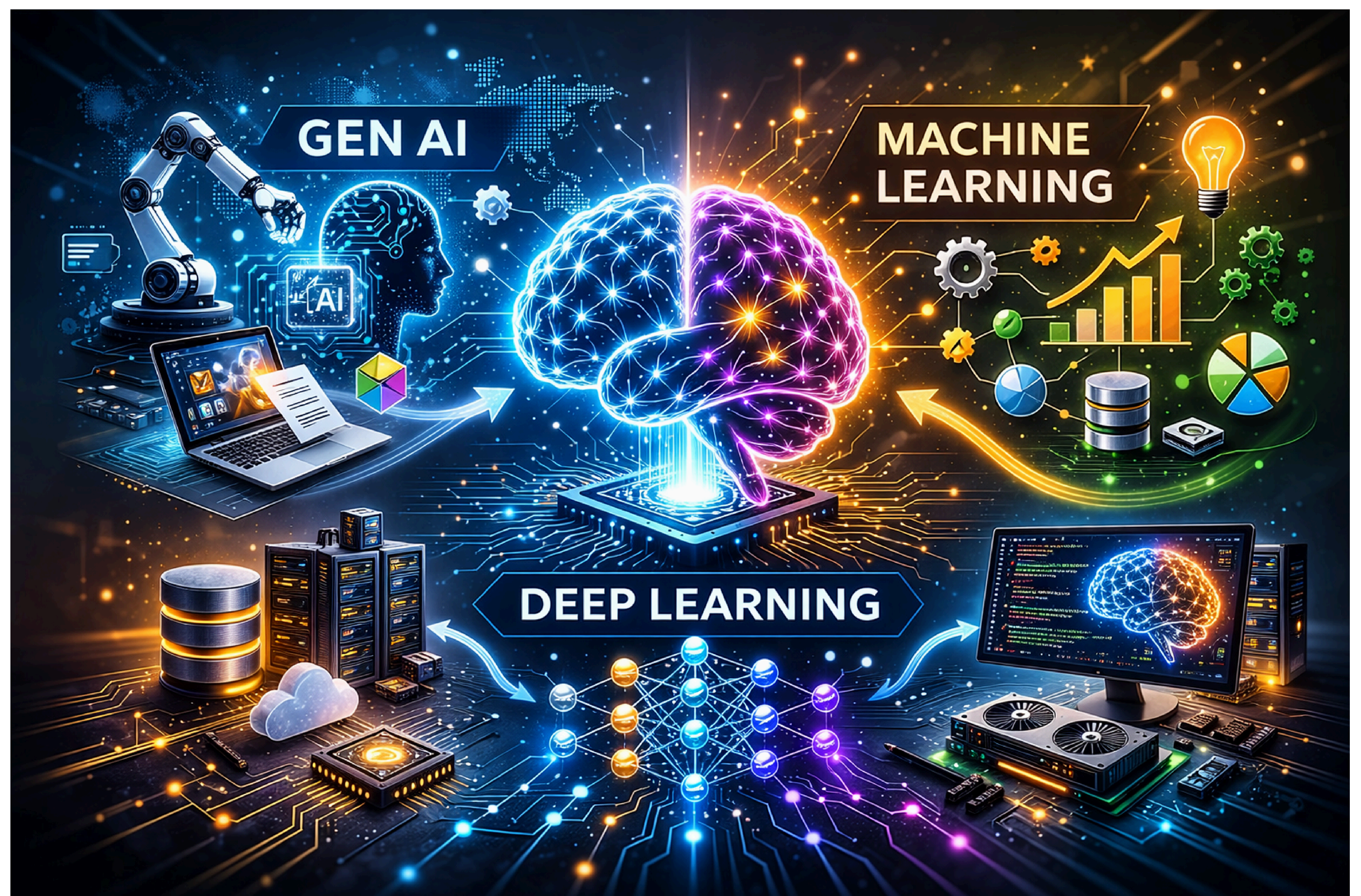
Career Growth

Boost your resume & open doors to exciting job opportunities.



Certifications

Earn a certificate of completion & a Letter of Recommendation.



Live Sessions

Live Sessions by Expertise Trainers and Access of Recorded Session is also available

Mentorship Support

Mentorship Support available for all Students to clear all of your doubts

Live Projects

Get a chance to work on Industry Oriented Projects to implement your learning

Opportunities

REGex May provide Internship / Job opportunities to the best Students .

Day	Course Content
Day 1	Python Basics(Variables, Data Types, Input/Output,Control Flow (if, else, loops))
Day 2	Functions and Modules(Defining Functions, Lambda Functions, Built-in Modules, Custom Modules)
Day 3	Data Structures(Lists, Tuples, Dictionaries, Sets, Comprehensions)
Day 4	File Handling and Exception Mgmt(Reading/Writing Files, Exception Handling, Context Managers)
Day 5	OOP in Python(Classes, Objects, Inheritance, Polymorphism, Encapsulation)
Day 6	Python Libraries/NumPy, Pandas (Data Manipulation), Matplotlib/Seaborn (Visualizati-
Day 7	Feature Engineering(Handling Missing Values, Encoding, Scaling, Feature Selection/Extraction)
Day 8	ML Models: Regression(Linear Regression, Logistic Regression, Evaluation Metrics)
Day 9	ML Models: Classification(Decision Trees, Random Forest, SVM, k-NN)
Day 10	ML Models: Clustering(k-Means, Hierarchical Clustering)
Day 11	Model Evaluation and Tuning(Cross-Validation, Hyperparameter Tuning (Grid Search, Random Search))
Day 12	Project 1: ML Project(Insurance Premium Prediction)
Day 13	Introduction to DL(Neural Networks, Activation Functions, Gradient Descent)
Day 14	ANN Implementation(Building an ANN using TensorFlow/Keras)
Day 15	CNN(Convolutional Layers, Pooling, Filters, Building a CNN)
Day 16	RNN(Sequential Data, LSTMs, GRUs)
Day 17	DL Project(Image Classification using CNN)
Day 18	Review and Quiz(Recap of DL Concepts, Quiz)
Day 19	NLP (Text Preprocessing, Tokenization, Stopwords, Stemming, Lemmatization)
Day 20	Advanced NLP Techniques(Word Embeddings, NER, TF-IDF, Named Entity Recognition

Day	Topics & Sub-topics
Day 21	Sentiment Analysis (Building a Sentiment Analysis Model)
Day 22	NLP Project (Chatbot or Text Classification)
Day 23	Transformers (BERT, GPT, Hugging Face Libraries)
Day 24	RAG Pipeline (Retrieval-Augmented Generation (RAG) Concepts, Implementation)
Day 25	Vector Databases (Introduction to Pinecone/Weaviate, Storing and Querying Embeddings)
Day 26	LangChain with Gemini (Building AI Applications with LangChain and Google Gemini)
Day 27	Generative AI Project (Chatbot that can work same as CHATGPT and deploy on streamlit cloud)
Day 28	Docker (Docker Installation, Creating Containers, Dockerfile, Docker Compose)
Day 29	CI/CD with GitHub Actions (Setting up CI/CD Pipeline, Automated Testing, Deployment)
Day 30	AWS Services (Lambda, S3, API Gateway, Bedrock Foundation Model)
Day 31	AWS Generative AI Project (Text Generation and store in s3 bucket as a text file)
Day 30	AWS Services (Lambda, S3, API Gateway, Bedrock Foundation Model)
Day 31	AWS Services (Lambda, S3)
Day 32	TTS Model Using GTTS
Day 33	TTS Model Using edge-TTS
Day 34	Python with Redis
Day 35	Deploying ML Models with Kubernetes (Creating Deployment YAML for ML Models, Exposing Models via Services, Horizontal Pod Autoscaling)
Day 36	Final project (Create an agentic ai application and test it using ci/cd and deploy it on streamlit cloud)

KEY FEATURES & CASHBACK POLICY:

Key Features

- No Previous Knowledge Required
- Learn from Developers
- Mentorship Support
- Get Letter of Recommendation (LOR) from REGex
- Physical/Online Sessions
- Live & Interactive Sessions
- Get Internship Project Completion Certificate

Cashback Policy

Your friend will get upto 10% discount with your code and you will also get cashback for each Paid Referral In Our Placement Guarantee Programs



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