

Ignite the Flame of Education

AI Developer Program

Engage in Artificial Intelligence Mastery

Duration: 4 Months | Mode: Online | Level: Beginner to Advanced
Powered by [CodeEmy!](#)

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Scope of AI



25-30 million
jobs by 2025



\$250 billion
industry in India by 2025

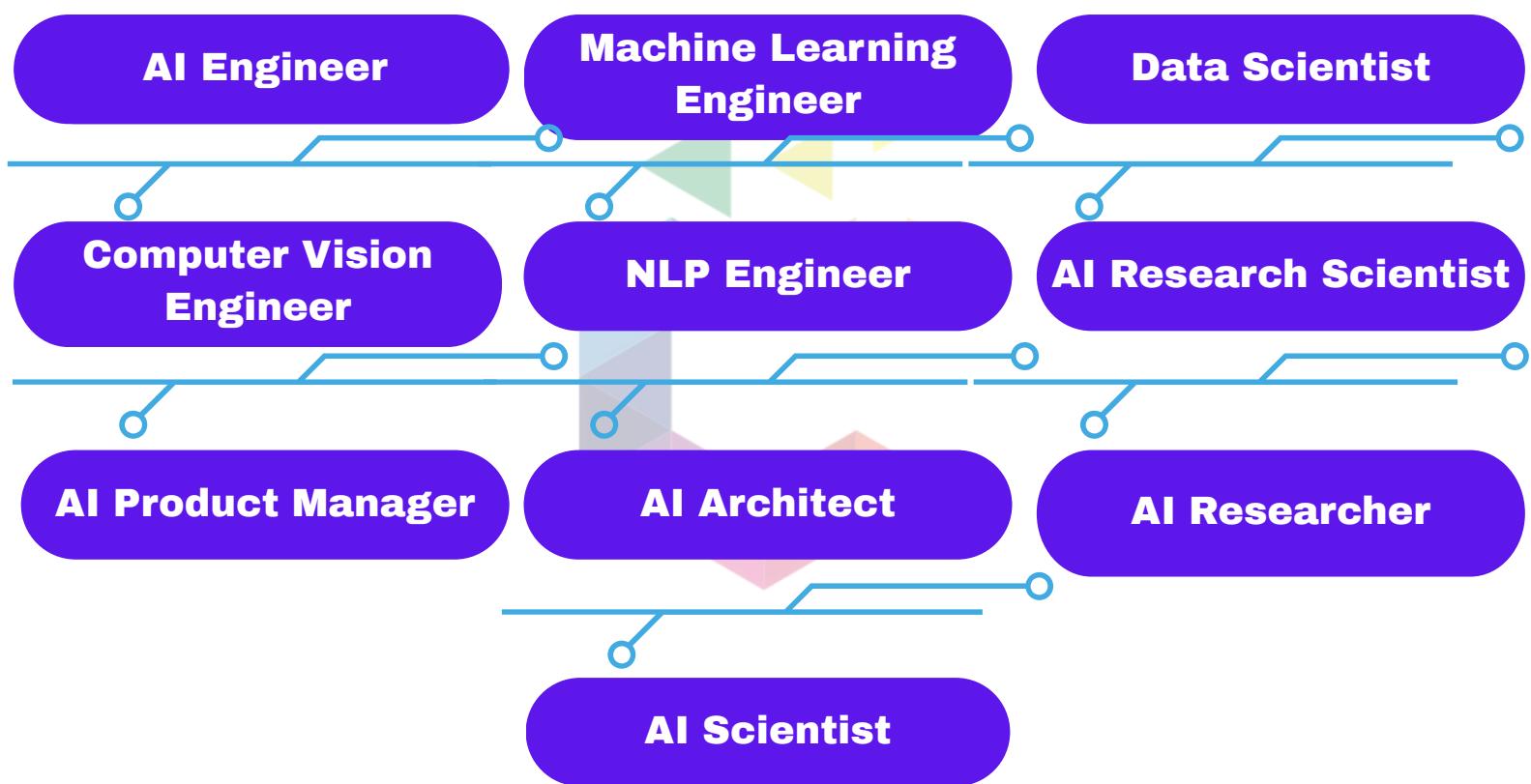


14000 +
Indian businesses are
actively present on LinkedIn



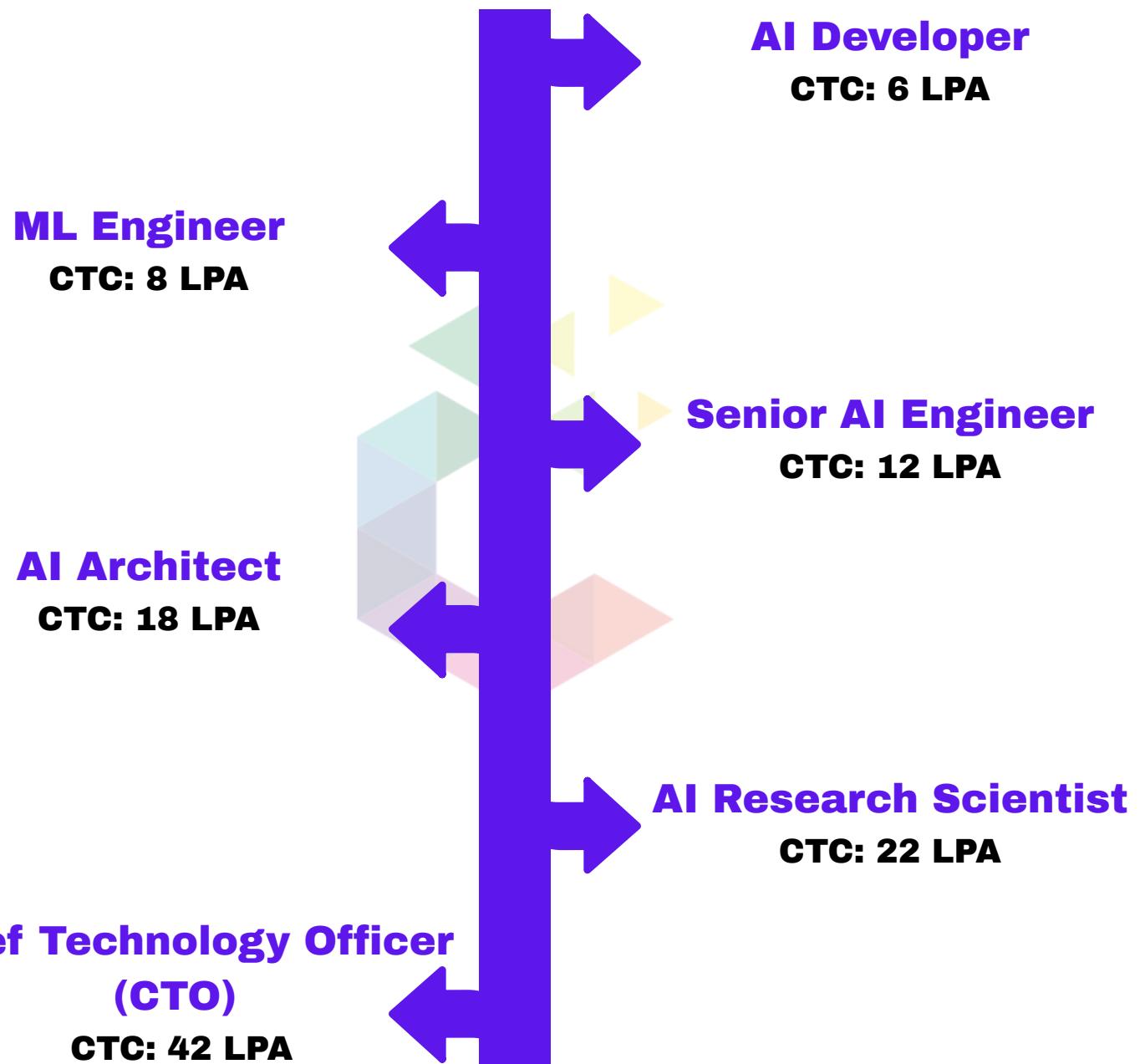
78% CFOs
are set to spend more on AI

Here is all the **Career Fields** you can excel at



CAREERS

Here is how your **Career Trajectory** will look like



Why **CodeEmy** is Unique ?

Category	CodeEmy	UpGrad	SimpliLearn	Edureka	IIDE
Live Classes	✓	✓	✓	✓	✓
Placement Assistance	✓	✓	✗	✗	✓
Interview Training	✓	✓	✗	✗	✓
LinkedIn Profile & Resume Building	✓	✗	✗	✗	✗
Earn While your Learn	✓	✗	✗	✗	✗
Freelancing	✓	✗	✗	✗	✗
Campus Leader board across the college	✓	✓	✓	✗	✗
Lifetime Access to content	✓	✗	✗	✓	✓
Offline Project Fest (Every 3 Month once)	✓	✗	✗	✗	✗
Course Duration	3 - 4 Months	7-11 Months	5 Months	5 Weeks	4-5 Months
Price	₹15,000	₹ 1,05,000	₹ 1,00,000	₹ 20,000	₹ 72,000

△ **Disclaimer:**

The names of other companies mentioned here are used solely for comparison purposes to highlight the unique features of our offerings. We do not intend to misuse, defame, or misrepresent any organization in any way. There is no affiliation or endorsement implied. Our intent is purely informational and respectful.

UNIQUENESS

Week 1

- What is AI? Applications & Future
- Python Basics (Variables, Data Types, Loops)
- Functions, Lists, Dictionaries
- Jupyter Notebook Setup
- **Project:** Simple Calculator in Python

Week 2

- NumPy Basics (Arrays, Operations)
- Pandas for Data Analysis
- Data Cleaning & Preprocessing
- Reading & Writing CSV Files
- **Project:** Analyze a Sales Dataset

Week 3

- Introduction to Matplotlib & Seaborn
- Plotting Graphs & Charts
- Understanding Data Patterns
- Visualization Best Practices
- **Project:** Visualize COVID-19 Data

Week 4

- Mean, Median, Mode
- Variance, Standard Deviation
- Probability Distributions
- Correlation & Regression Basics
- **Project:** Analyze Student Performance Data



Week 5

- What is Machine Learning?
- Supervised vs Unsupervised Learning
- Linear Regression, Logistic Regression
- Model Evaluation (Accuracy, Precision)
- **Project:** Predict House Prices

Week 6

- Decision Trees & Random Forest
- K-Nearest Neighbors (KNN)
- Support Vector Machines (SVM)
- Overfitting & Underfitting Concepts
- **Project:** Predict Loan Approval

Week 7

- Introduction to Neural Networks
- Perceptron & Activation Functions
- Forward & Backpropagation
- Building a Simple Neural Network
- **Project:** Handwritten Digit Recognition (MNIST)

Week 8

- Introduction to TensorFlow & Keras
- Convolutional Neural Networks (CNN)
- Image Classification Basics
- Training & Tuning Models
- **Project:** Image Classifier for Fruits



Week 9

- Introduction to NLP
- Tokenization, Stemming, Lemmatization
- Sentiment Analysis
- Working with NLTK & SpaCy
- **Project:** Twitter Sentiment Analysis

Week 10

- Introduction to Generative AI
- Using OpenAI API for Chatbots
- Building AI-based Chat Applications
- Prompt Engineering Basics
- **Project:** Build an AI Chatbot

Week 11

- Deploying AI Models with Flask/Django
- Creating REST API for AI Models
- Deployment on Cloud (AWS, Render, Vercel)
- Model Optimization for Production
- **Project:** Deploy Sentiment Analysis App

Week 12

Major Project Ideas:

- AI-Powered E-commerce Recommendation System
- Image Recognition System (Face Detection)
- NLP-based Chatbot for Customer Support
- Resume Building & GitHub Portfolio Setup
- Interview Preparation & Career Guidance



Hands - On Projects

Mini Projects (Beginner to Intermediate Level)

1. Student Performance Predictor

- **Skills Used:** Python, Pandas, NumPy, Matplotlib, Scikit-Learn
- **Goal:** Predict students' exam scores based on study hours and attendance.

2. Sentiment Analysis on Tweets

- **Skills Used:** Python, NLTK, Text Preprocessing, Logistic Regression
- **Goal:** Classify tweets as positive, negative, or neutral.

3. Handwritten Digit Recognition (MNIST)

- **Skills Used:** TensorFlow, Keras, Neural Networks, CNN
- **Goal:** Build a model to recognize digits (0-9) from images.

Major Projects (Advanced Level)

1. AI-Powered E-commerce Recommendation System

- **Skills Used:** Python, Scikit-Learn, Collaborative Filtering, Pandas
- **Goal:** Suggest products to users based on their previous purchases and browsing history.

2. Chatbot for Customer Support

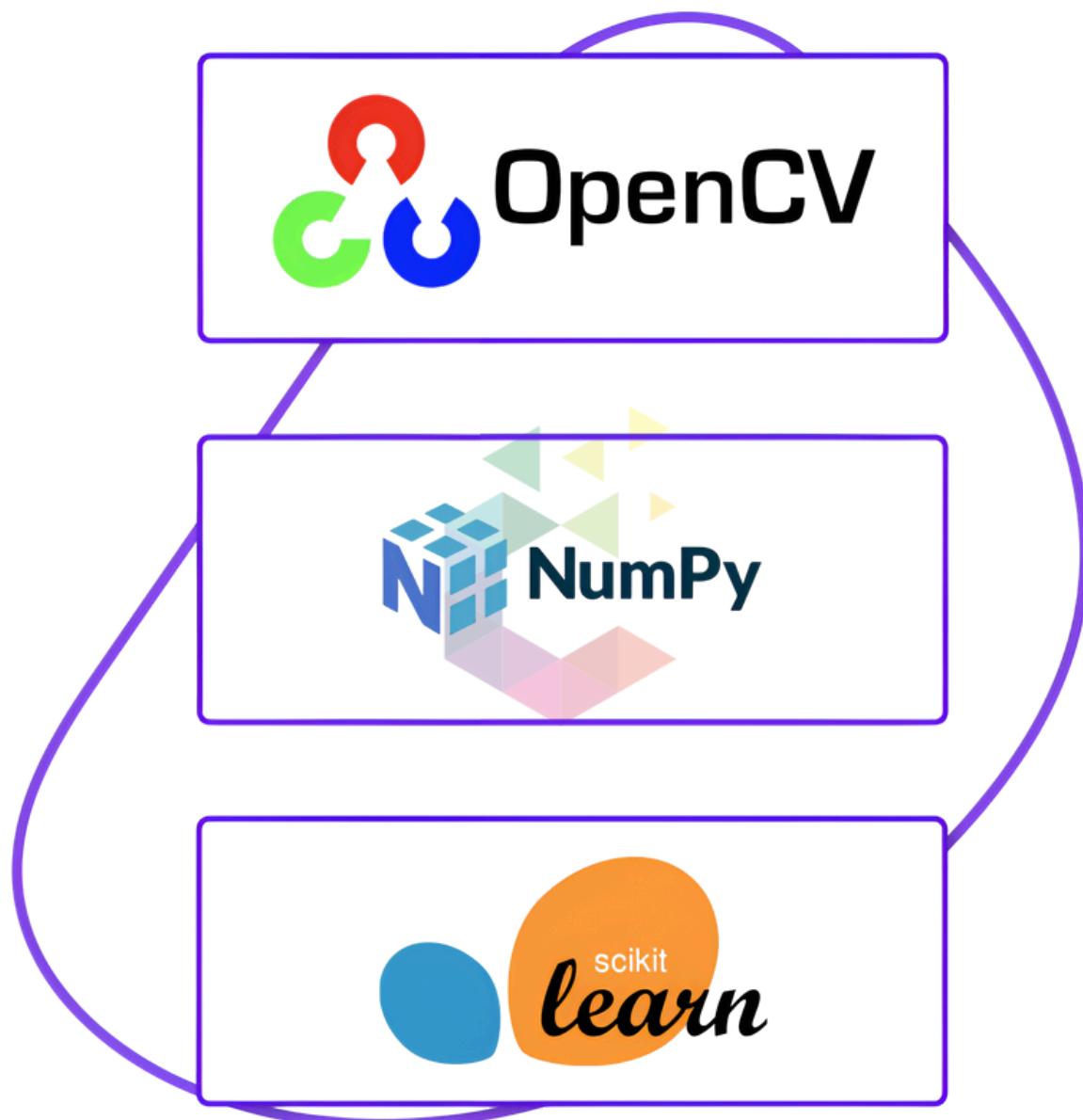
- **Skills Used:** Python, NLP (NLTK, SpaCy), OpenAI API, Flask
- **Goal:** Develop a chatbot that answers customer queries intelligently.

3. Face Recognition Attendance System

- **Skills Used:** OpenCV, TensorFlow/Keras, Python
- **Goal:** Automate attendance using facial recognition technology.

Tools

You will learn



Showcase

your learning journey

Certificate of Completion from CODEEMY



Certificate of Internship from CODEEMY



Approved by:



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



Contact Us

ANAPTY CODEEMY TECHNOLOGIES PRIVATE LIMITED,
D.NO: 56, L M S STREET, P. N. PALAYAM,
Coimbatore South, Coimbatore, Tamil Nadu - 641037.

