



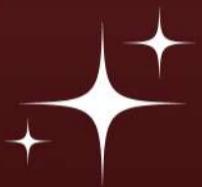
ShikshaVertex

# Machine Learning

Master the art & science of machine learning



SOLO SPRINT



LIVE EDGE



CAREER EDGE



**Added Extra Credentials From Leaders Like IBM**

**(Give The Exam. Get Certified. Stand Out.)**

**IBM**  
SkillsBuild

**#startupindia**

  
**Skill India**  
कौशल भारत - कुशल भारत



# About ShikshaVertex

## Shaping Skills. Elevating Careers

ShikshaVertex is a next-generation EdTech startup committed to transforming careers through powerful, practical upskilling. In an ever-evolving job market, we bridge the gap between academic knowledge and industry-ready skills.

Our mission is to empower students, job-seekers, and professionals with the tools they need to succeed — from foundational skills to advanced specializations in high-demand fields.

We believe that education is not just about learning — it's about evolving. With industry-aligned curriculum, expert mentorship, and outcome-driven training, ShikshaVertex is where ambition meets execution.

### Career-Focused Upskilling



### Mentor Support



### Industry-Relevant Curriculum



### Flexible Learning



### Hands-on Learning



### Certification & Recognition





## Why ShikshaVertex is Different From Rest?

### Built Different: Our Unique Edge



#### Outcome-Driven Learning

Every course is designed with clear career outcomes and job-readiness as the end goal.



#### Industry-Curated Curriculum

Programs are co-created with industry professionals to stay aligned with current and future skill demands



#### Soft Skills Integration

We don't stop at technical skills — communication, leadership, and interview readiness are built in.



#### Mentorship That Matters

Direct access to mentors who are real-world professionals, not just instructors.



#### Real-World Projects

Learners build a portfolio of hands-on projects that showcase practical expertise.



#### Placement Support

End-to-end job assistance, including resume building, mock interviews, and employer connections.

While many EdTech platforms offer courses, ShikshaVertex is built around outcomes. We don't just teach — we transform.

Our programs are meticulously designed to go beyond theoretical knowledge and focus on practical, real-world skills that employers actually look for.

We blend cutting-edge curriculum with mentorship, hands-on learning, and career development, making sure every learner not only learns but levels up — personally and professionally. At ShikshaVertex, we believe in learning that leads to earning.



## Our Top Recruiters

accenture

Google

Microsoft

ORACLE

Tech  
Mahindra

Deloitte.

tcs  
TATA  
CONSULTANCY  
SERVICES

amazon

fractaboo  
INTELLIGENCE FOR IMAGINATION

IBM.

HCL

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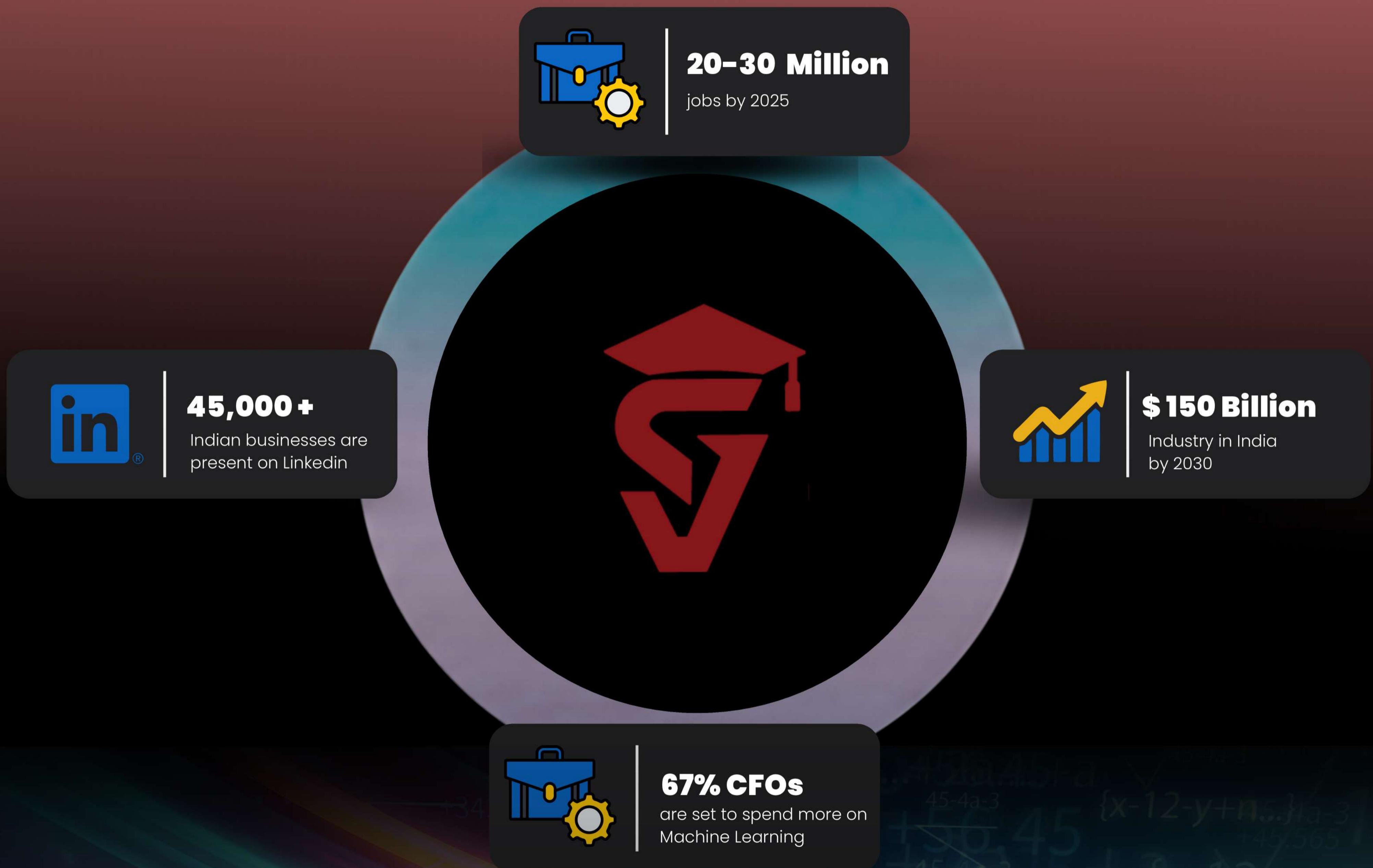


SOCIAL MEDIA

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(click here for more information)

# Scope of Machine Learning



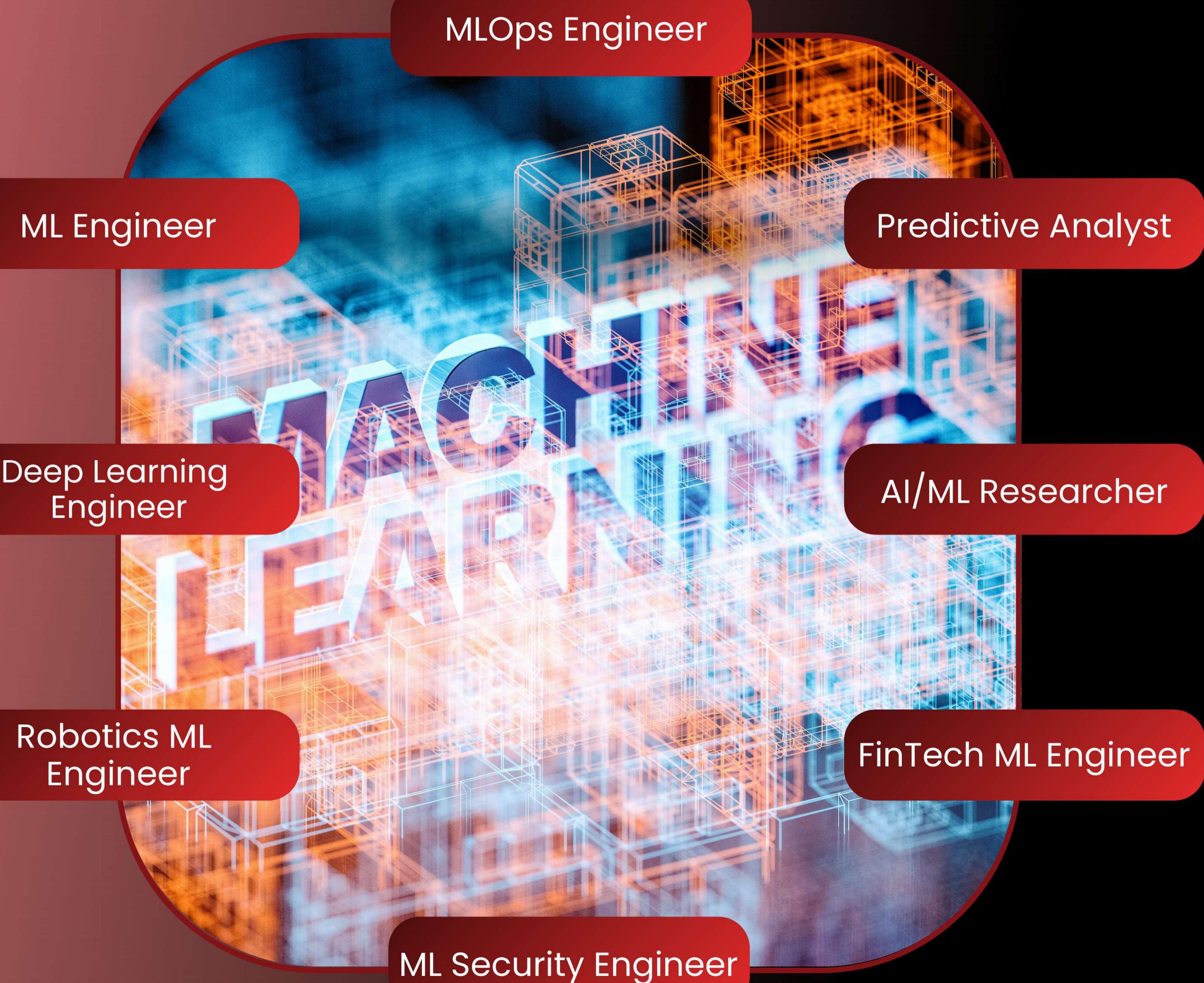
Machine Learning is one of the fastest-growing tech fields, driving innovation across industries.

It offers high-paying, future-proof careers with endless opportunities to solve real-world problems.

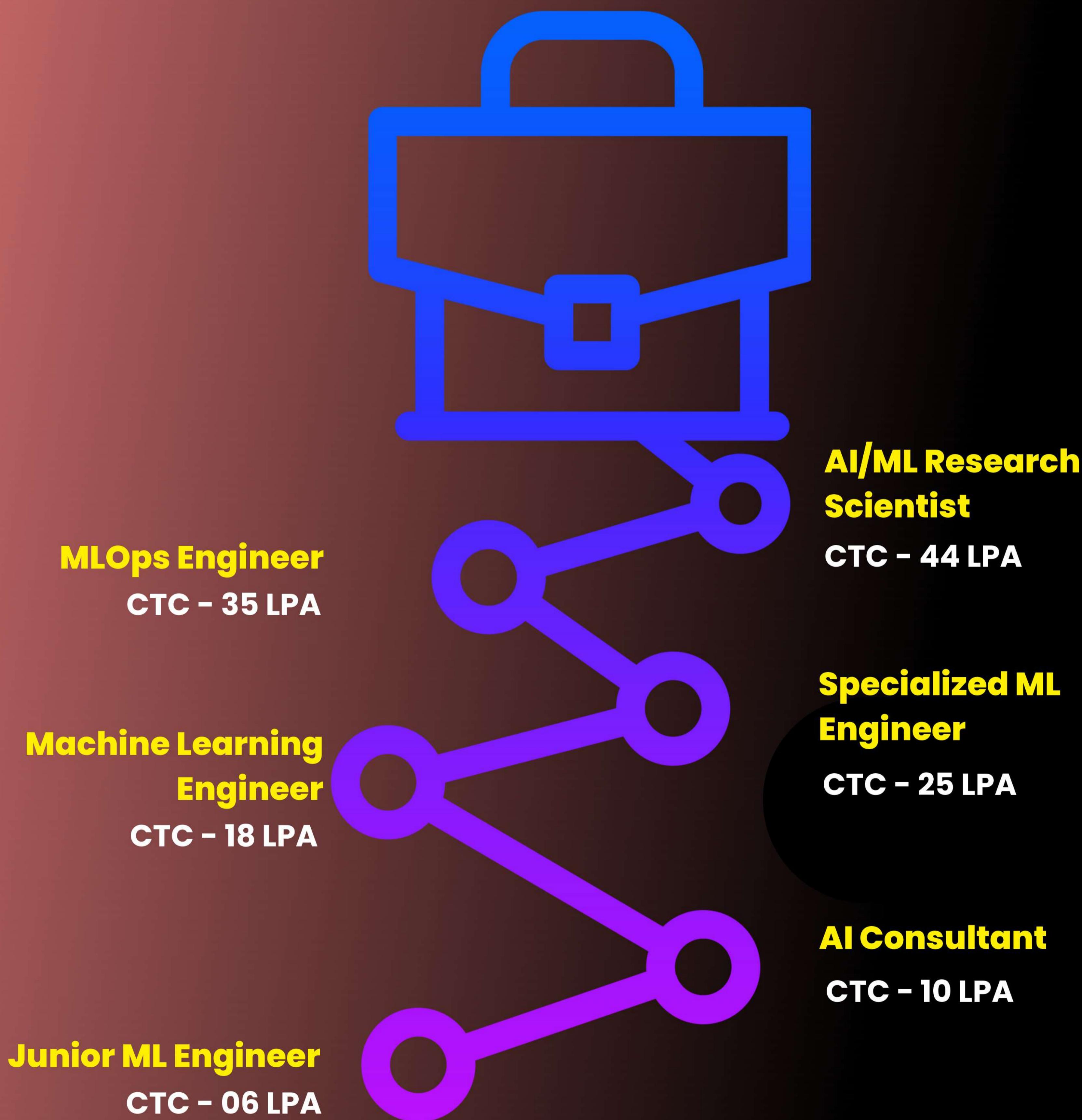
By mastering ML, you gain skills that power AI, automation, and the technologies of tomorrow.

Join Machine Learning today and be part of the revolution shaping our future.

# Here is all the **Career Fields** you can Excel at



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





# 1

## Introduction to ML & Python Programming Basics

### Introduction to Machine Learning

- ✓ What is Machine Learning?
- ✓ Difference between Machine Learning and Artificial Intelligence
- ✓ Machine Learning workflow
- ✓ Overview of tools

### Getting Started with Python for Machine Learning

- ✓ Python Installation & Setup
- ✓ Variables, Data Types, and Operators
- ✓ Control Flow
- ✓ Data Structures: List, Tuple, Set, Dictionary



2

## Python for Machine Learning & Data Preprocessing

### Building Logic with Python for Machine Learning

- ✓ Functions and Scope
- ✓ String operations and formatting
- ✓ Exception handling

### Data Preprocessing in Machine Learning

- ✓ Handling missing values
- ✓ Encoding categorical variables
- ✓ Feature scaling
- ✓ Splitting data: Train-test split

# 3

# Supervised Learning Algorithms

## Supervised Learning Concepts

- ✓ What is Supervised Learning?
- ✓ Types: Classification vs Regression

## Classification Algorithms

- ✓ K-Nearest Neighbors (KNN)
- ✓ Logistic Regression / Decision Tree

## Regression Algorithms

- ✓ Simple Linear Regression
- ✓ Multiple Linear Regression
- ✓ Performance metrics: Accuracy, Precision, MAE, RMSE

# 4

# Unsupervised Learning & Final Practice

## Unsupervised Learning Concepts

- ✓ What is Unsupervised Learning?
- ✓ Difference from Supervised Learning
- ✓ Use cases

## Clustering Algorithms

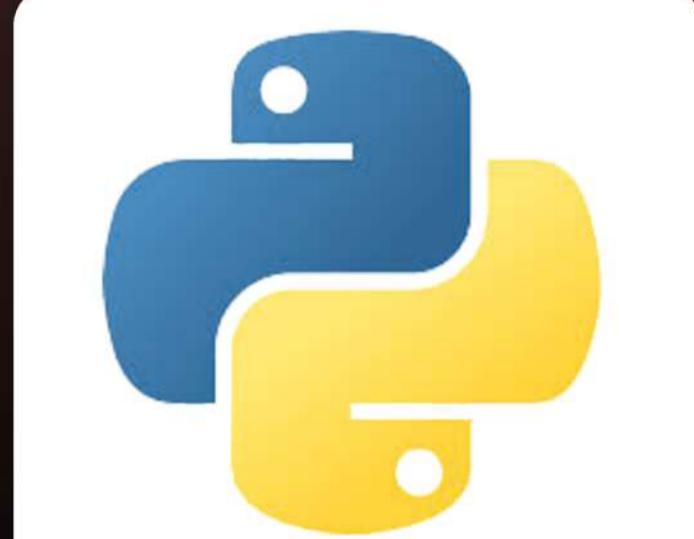
- ✓ K-Means Clustering
- ✓ Visualizing clusters
- ✓ Hierarchical clustering



## Tools and Technologies you'll Learn



TensorFlow





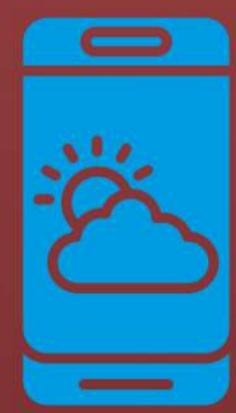
## Minor Projects :

Stock Price  
Trend  
Prediction



Predict short-term trends using past stock data.

Spam Email  
Detection



Detect spam vs. non-spam messages.

Customer  
Churn  
Prediction



Predict which customers are likely to leave.



## Major Projects :

AI Chatbot  
with  
NLP + GenAI



Build a chatbot that answers user queries.

Fraud  
Detection  
System



Detect fraudulent transactions in real-time.

Medical Image  
Diagnosis  
(X-ray / MRI)



Classify or detect disease from images.



## Showcase your Learning Journey

### CERTIFICATE OF INTERNSHIP



ShikshaVertex

This Certificate is proudly presented to

**ROHAN RATHORE**

In recognition of exceptional performance, dedication, and outstanding contribution during the **Internship program at ShikshaVertex**.

Your enthusiasm for learning, consistent effort, and commitment to excellence have set a remarkable example for others. Through your work, you have demonstrated creativity, professionalism, and a passion for growth that align perfectly with the values of ShikshaVertex.

We commend your achievements and wish you continued success in all your future endeavors.

Date

Signature(Academic Head)



**Certificate of Completion  
from ShikshaVertex**

Certificate of Internship  
from ShikshaVertex

### CERTIFICATE OF TRAINING



ShikshaVertex

This Certificate is proudly presented to

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Your enthusiasm for learning, consistent effort, and commitment to excellence have set a remarkable example for others. Through your work, you have demonstrated creativity, professionalism, and a passion for growth that align perfectly with the values of ShikshaVertex.

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Date

Signature(Academic Head)





# CONTACT US



+91-9978456702



[www.shikshavertex.in](http://www.shikshavertex.in)



2nd floor, Srivari Arcade, NGR Layout, Roopena Agrahara,  
Bommanahalli, Bengaluru, Karnataka 560068



[admin@shikshavertex.in](mailto:admin@shikshavertex.in)