



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.

Because your career deserves more than just a Certificate



Our Top Recruiters

accenture

Google

Microsoft

ORACLE

Tech
Mahindra

Deloitte.

tcs
TATA
CONSULTANCY
SERVICES

amazon

fractal
INTELLIGENCE FOR IMAGINATION

IBM.

HCL

BOSCH

Explore Career Opportunities With Our



25+ Domains



Discover Your Career
Path



Network with Industry
Leaders



Build a Standout
Portfolio

Follow Us For Career-Changing Content!

LinkedIn



SOCIAL MEDIA

CLICK

(Click here more information)



Scope of Machine Learning



20–30 Million

jobs by 2025



45,000+

Indian businesses are present on LinkedIn



\$150 Billion

Industry in India by 2030



67% CFOs

are set to spend more on 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

MLOps Engineer

ML Engineer

Predictive Analyst

Deep Learning
Engineer

AI/ML Researcher

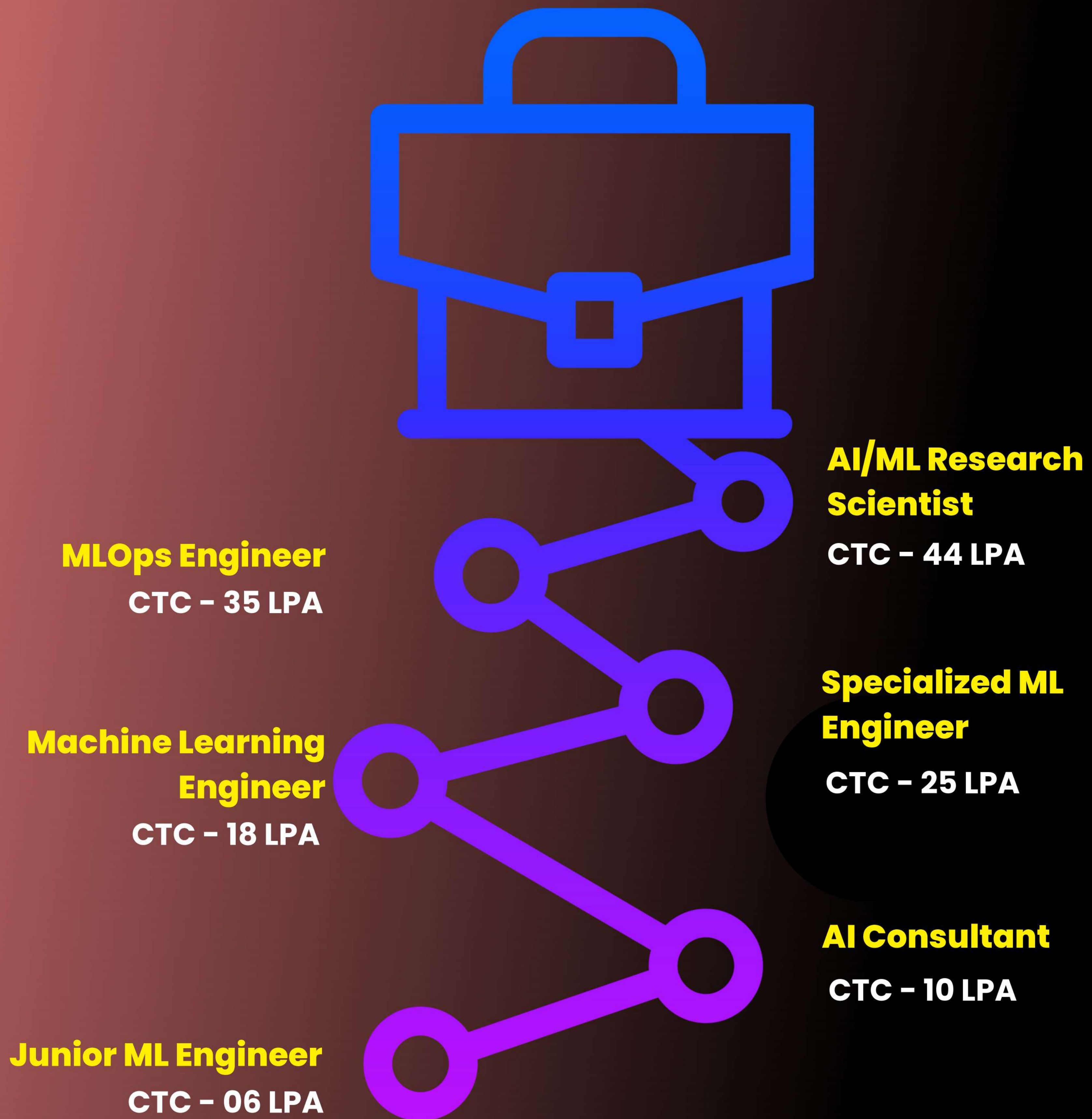
Robotics ML
Engineer

FinTech ML Engineer

ML Security Engineer



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

 pandas

 NumPy

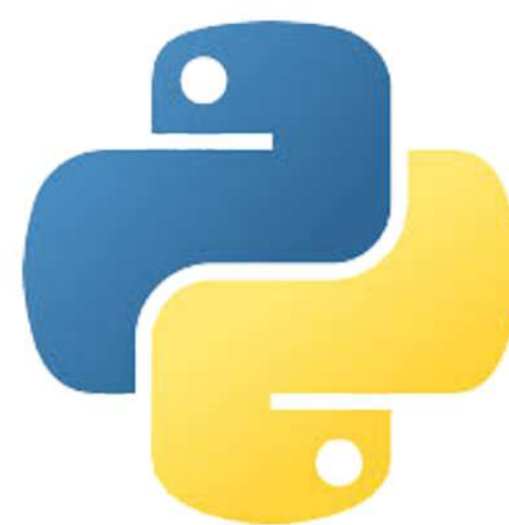
 PyTorch

 docker

 scikit
learn


TensorFlow






Java



Minor Projects :

Stock Price
Trend
Prediction



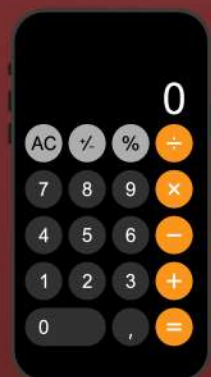
Predict short-term trends using past stock data.

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.

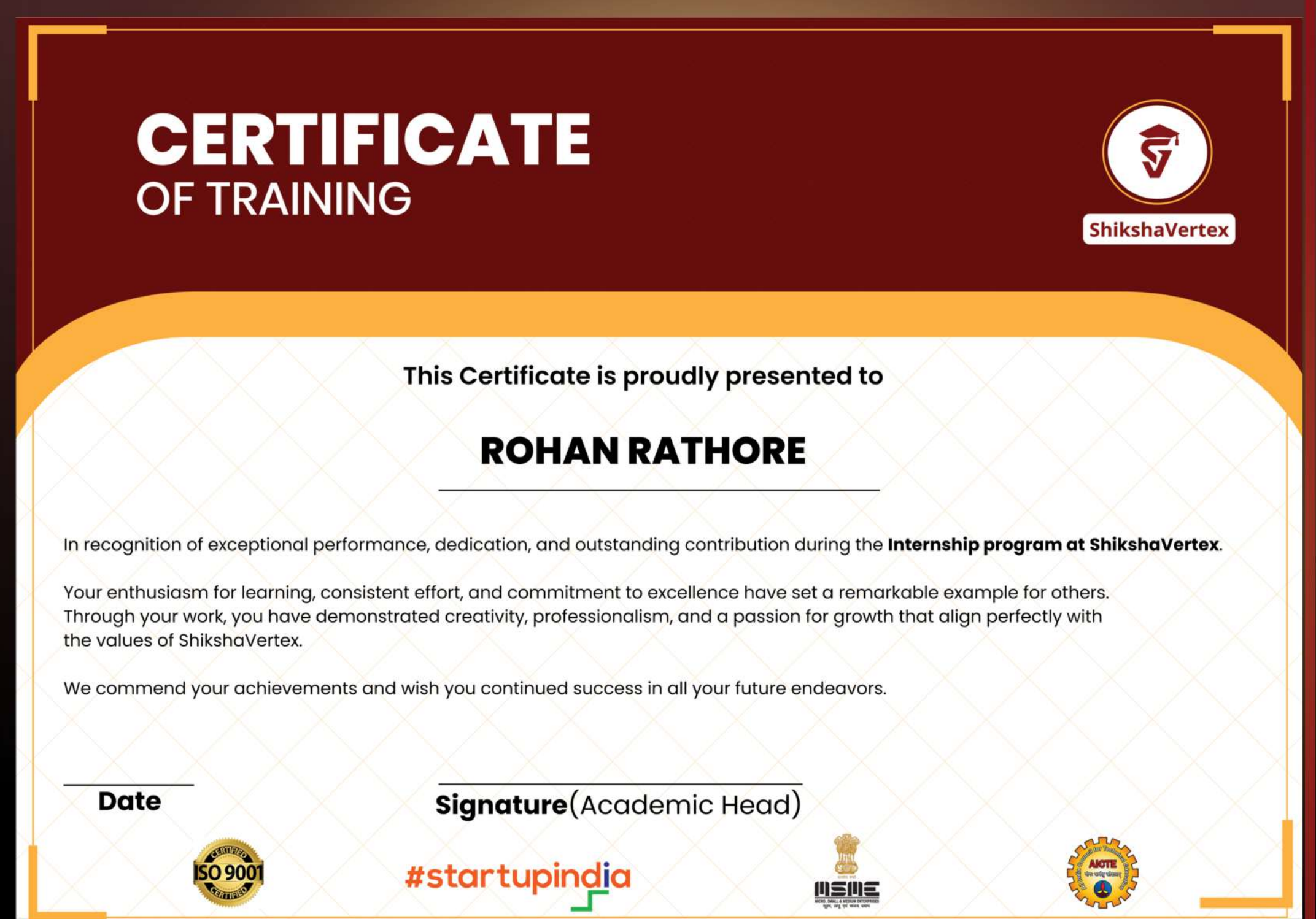


Showcase your Learning Journey



Certificate of Completion
from ShikshaVertex

Certificate of Internship
from ShikshaVertex





CONTACT US



+91-9978456702



www.shikshavertex.in



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



admin@shikshavertex.in