



ShikshaVertex

Cyber Security

Your Path to Cyber Security Mastery



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

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25+ Domains



Discover Your Career
Path



Network with Industry
Leaders



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Portfolio

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LinkedIn



SOCIAL MEDIA

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(Click here more information)



Scope of Cyber Security



20–25 Million

jobs by 2025



12,000 +

Indian businesses are present on LinkedIn



\$ 200 billion

Industry in India by 2025



75% CFOs

are set to spend more on cyber security



CYBER SECURITY

Step into the future with cyber security — where innovation meets opportunity. Automate tasks, solve real-world problems, and lead in tomorrow's world. Join Cyber Security today and be part of the revolution shaping our future.



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

Ethical Hacker

Security Analyst

Security Engineer

Security Specialist

IT Security Admin

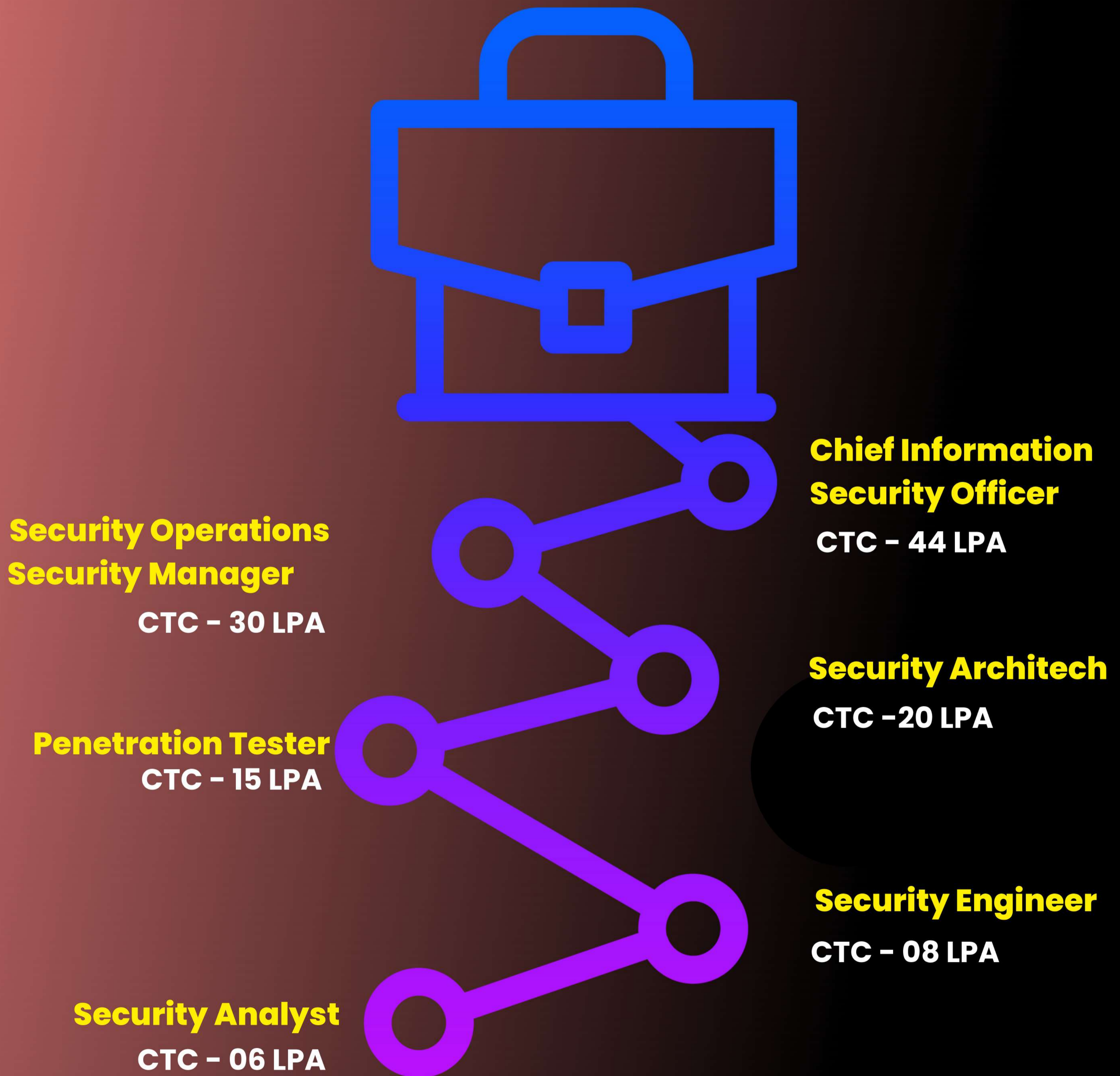
Security Consultant

Forensic Analyst

Security Admin



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





1

Introduction to Cybersecurity & Operating Systems Security

Introduction to Cybersecurity

- ✓ Definition, Importance, and Scope of Cybersecurity
- ✓ Types of Cyber Threats (Malware, Phishing, DDoS, Ransomware, Insider Threats)
- ✓ CIA Triad (Confidentiality, Integrity, Availability)
- ✓ Cybersecurity Ethics, Principles, and Best Practices

Introduction to Linux

- ✓ Basic Linux Commands
- ✓ Networking Commands (ping, netstat, ifconfig, traceroute)
- ✓ Service and Log Management
- ✓ System Administration Commands
- ✓ Linux File System and Directories

Introduction to Windows

- ✓ Access Control Types, Permissions, and User Account Control (UAC)
- ✓ Windows Firewall & Windows Defender
- ✓ Windows Remote Management (RDP)
- ✓ Basic CMD Commands and Batch Scripting
- ✓ Introduction to PowerShell
- ✓ Using CMD & PowerShell for System Administration and Security Tasks



2

Networking & Ethical Hacking Fundamental

Introduction to Networking

- ✓ Types of Networks (LAN, WAN, VPN, etc.)
- ✓ Network Topologies
- ✓ Network Protocols & Ports (TCP/IP, HTTP, HTTPS, DNS)
- ✓ IP Addressing & Subnetting Basics
- ✓ Firewalls and Basic Configuration

Ethical Hacking Essentials

- ✓ Footprinting, Reconnaissance, and Enumeration
- ✓ Vulnerability Assessment & Reporting
- ✓ System Hacking: Windows and Linux
- ✓ Password Cracking & Hashing
- ✓ Wireshark and Network Testing
- ✓ Wireless Network Hacking
- ✓ Digital Forensics Basics
- ✓ Cloud Security Overview (AWS / Azure)
- ✓ TOR, Anonymity & Proxy Services



3

Web Application Security & Penetration Testing

Web Application Security Fundamentals

- ✓ Introduction to Web Hacking
- ✓ Understanding HTTP/S and Web Requests
- ✓ Introduction to Burp Suite
- ✓ Fuzzing and Directory Enumeration
- ✓ Subdomain Enumeration
- ✓ Authentication Bypass Technique

Exploitation & OWASP Top 10 (2 Hours)

- ✓ File Inclusion Vulnerabilities (LFI/RFI)
- ✓ File Upload Vulnerabilities
- ✓ Cross-Site Scripting (XSS)
- ✓ Command Injection
- ✓ SQL Injection
- ✓ Overview of OWASP Top 10 and Mitigation



4 SOC, SIEM, and Red/Blue Team Operations

SOC and SIEM Fundamentals

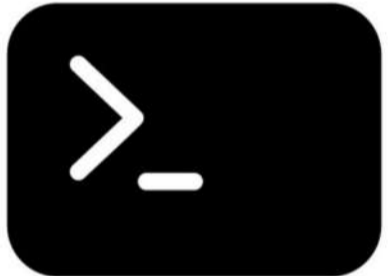
- ✓ Introduction to Security Operations Center (SOC)
- ✓ Understanding SIEM (Security Information and Event Management)
- ✓ Tools Overview: Splunk, ELK Stack, Wazuh
- ✓ IDS, Firewalls, and Honeypot Configuration
- ✓ Monitoring and Alert Management
- ✓ Documenting & Reporting Security Incidents

Red/Blue/Purple Team Exercises & Offensive Penetration Testing

- ✓ Red Team (Offensive Testing)
- ✓ Blue Team (Defensive Response & Monitoring)
- ✓ Purple Team (Collaboration & Continuous Improvement)
- ✓ Offensive Penetration Testing
- ✓ Attacking Real-World Vulnerable Services
- ✓ Web Application Vulnerability Testing
- ✓ Anonymity, Dark Web, and Secure Communication
- ✓ Security Checklists for Auditing & Testing



Tools and Technologies you'll Learn



PowerShell



Metasploit





Minor Projects :

Phishing
URL
Detection



Detect malicious or phishing URLs using machine learning or rule-based filtering.

Network
Packet
Sniffer



Capture and analyze network packets to identify suspicious activity.

Secure Chat
Application



Implement end-to-end encryption in a simple chat app.



Major Projects :

AI-Based
Malware
Detection



Use ML models to identify malware signatures from file metadata or behavior.

Secure Cloud
Data Storage
System



Encrypt and store data in the cloud with role-based access control.

Digital
Forensics
Analysis Tool



Analyze disk images, log files, and deleted data to trace cybercrimes..

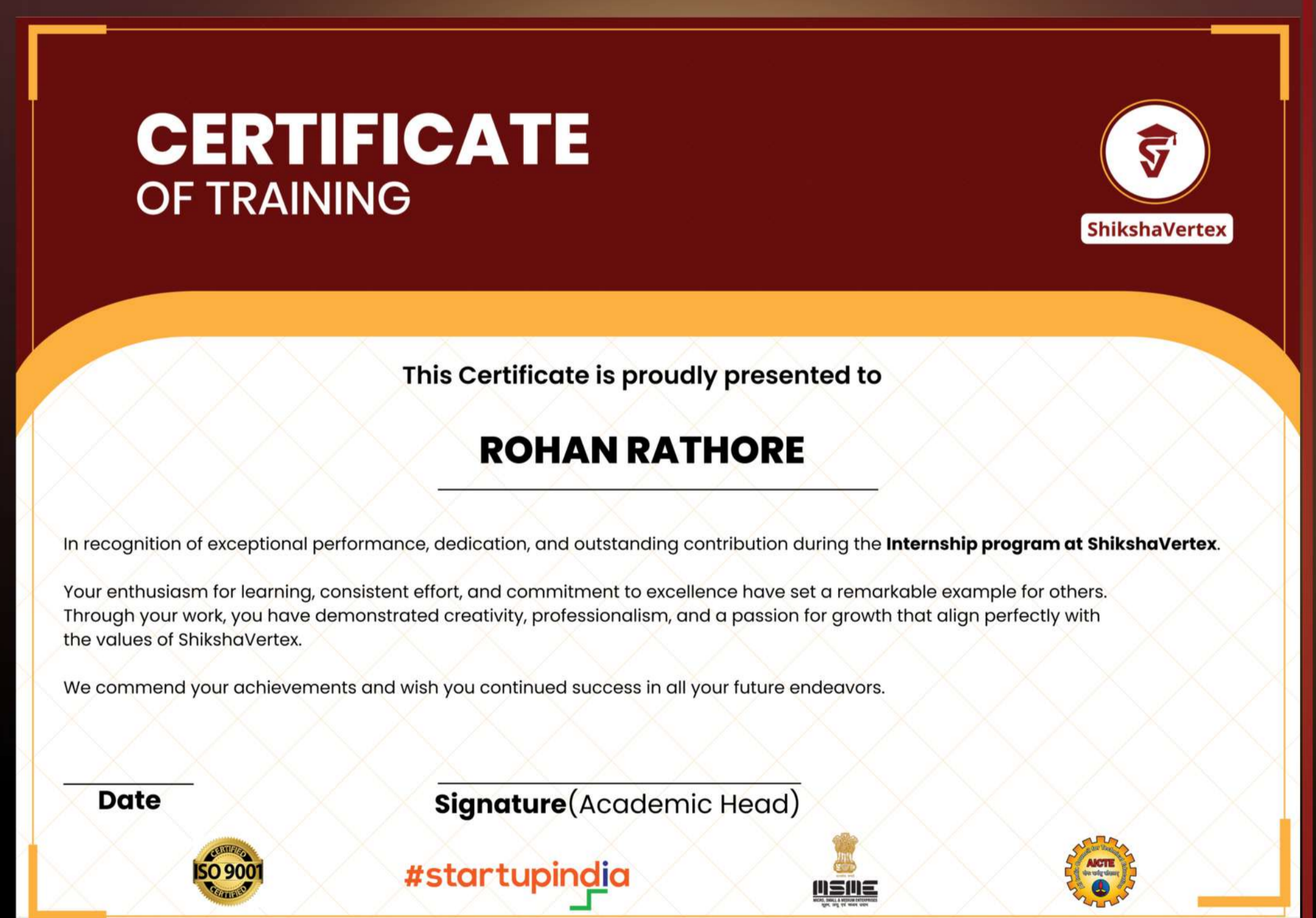


Showcase your Learning Journey



Certificate of Completion
from ShikshaVertex

Certificate of Internship
from ShikshaVertex





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