



datamantra



# Infrastructure as Code (IaC)

## Introduction to IaC, Basic to Intermediate

We just need your **18 hours** from your life..



15000+ Happy  
Students



Best in Online & Offline  
Training Experience



Industry Recognized  
Expert Mentors

# Program Curriculum



## Lesson 1

### IaC Fundamentals & Terraform Basics - 6 Hours

- What is Infrastructure as Code?
- Benefits of IaC: Speed, consistency, versioning
- Declarative vs. Imperative IaC
- Introduction to Terraform
  - Terraform CLI
  - Providers and Resources
  - Writing your first .tf script
- Hands-On Lab:
  - Install Terraform and VS Code
  - Create a basic EC2 instance on AWS (or VM on Azure)
  - Use terraform init, plan, apply, destroy



## Lesson 2

### Intermediate Terraform Concepts - 6 Hours

- Variables, Outputs, and Locals
- Data sources and remote state
- Modules: Reusability in Terraform
- State files and best practices
- Hands-On Lab:
  - Parameterize your Terraform code using variables.tf
  - Create reusable Terraform modules (e.g., VPC + EC2)
  - Store Terraform state remotely (e.g., in AWS S3)



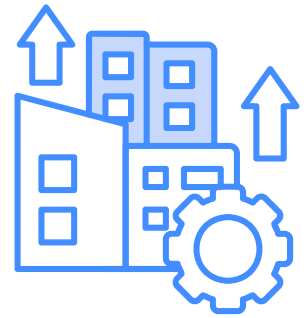
# Program Curriculum



## Lesson 3

### Ansible Basics + IaC in Practice - 6 Hours

- Introduction to Ansible
- Inventory, Playbooks, YAML syntax
- Comparison: Terraform vs. Ansible
- Real-world use cases (cloud provisioning + configuration)
- Hands-On Labs:
  - Install Ansible locally (or use Docker)
  - Create a playbook to install Apache/Nginx on a VM
  - Combine Terraform + Ansible for provisioning + configuration



Its time to showcase what we have learnt so far..

- IaC from Basics to Intermediate
  - Understanding concepts of IaC
  - Results: Learners with basic CLI and cloud knowledge gain an insight on IaC
- Hands on tasks on IaC
  - Using Ansible to install and configure a web server (e.g., Nginx)
  - Results: Better understanding of IaC practical concepts

# CERTIFICATE OF ACHIEVEMENT



## CERTIFICATE

OF ACHIEVEMENT

PROUDLY PRESENTED TO

*Name Surname*

HAS SUCCESSFULLY COMPLETED THE ONLINE COURSE

## Infrastructure as Code

He/She has excelled at Python Mastery by successfully completing all the assignments & modules associated with the program.

DATE:



*Talun Sachdeva*

AUTHORIZED SIGNATORY



# MEET YOUR TUTOR



**Abhishek Tiwari**

Cloud Admin & DevOps Expert

Azure Cloud Consultant

[LinkedIn](#)

0+ years of academic and corporate training experience in Cloud, DevOps, Azure, IAC, Server Management & Cost Optimization and served as a guest lecturer for Tech. programs at University of Madhya Pradesh.

He has also delivered corporate and professional training programs, both onsite and offsite, specializing in Cloud, DevOps ,Azure, Terraform & Kubernetes.

He owns 10+ years of work experience as Technology Lead and in reputed organizations like in Accenture, Infosys, Sysfore & UST Global . He blends academic concepts with practical insights to help learners develop strong industry-relevant skills.

Are you ready to take the next step in your career and join our hands-on training program?

Please note that our program requires a fee, which is payable only upon confirmation of your successful admission.

"Your satisfaction is our priority. That's why we offer a 7-Day Money-Back Guarantee—no questions asked. Dive into the course, explore the content, and if it's not the right fit for you, we'll refund your investment hassle-free. Because your growth and trust matter to us!"

# OUR STUDENTS ARE PLACED IN

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# OUR GLOBAL PARTNERS

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# OUR VISION

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Help & Guide students globally with innovative, personalized education for empowered learning and especially in changing the Domain.

# OUR MISSION

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Empowering individuals worldwide, our mission is to provide accessible and top-quality education, fostering skills that drive career success and personal growth.

# OUR STORY

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Our story is one of dedication to shaping futures, breaking barriers, and creating a dynamic and easy learning environment for every student and Corporate professionals



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