

DevOps Master Program (45 Days)

DevOps Master Program (45 Days) provides complete hands-on training from basic to advanced concepts covering modern DevOps tools, Cloud Technologies, CI/CD Pipelines, Automation, Containerization, Infrastructure Management, Monitoring, and Real-Time Industry Projects to prepare learners for today's IT industry demands.

For More Information

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1.

IT & DevOps Basics

- What is DevOps?
- Software Development Life Cycle (SDLC)
- Agile vs Waterfall
- DevOps Lifecycle
- CI/CD Introduction
- On-Premise vs Cloud
- DevOps Roles & Responsibilities
- Market Demand & Career Opportunities




IT & DevOps Basics covers the fundamentals of IT systems, automation, development, and deployment for efficient and secure operations.

2.

Linux Administration

- Linux Basics
- File Management
- Users & Groups
- Permissions
- Package Management
- Process Management
- Networking Commands
- Shell Scripting Basics
- Cron Jobs
- SSH Configuration



Linux Administration focuses on managing Linux systems, users, servers, commands, security, and system performance efficiently.

3.

Networking Basics

- IP Address
- DNS
- HTTP/HTTPS
- Ports
- Load Balancer
- Firewall Basics
- Client Server Architecture



Networking Basics covers the fundamentals of connecting devices, communication protocols, IP addressing, and secure data transfer in networks.

4.

Git & GitHub

- Version Control
- Git Commands
- Branching
- Merge & Rebase
- Pull Request
- GitHub Workflow



Git & GitHub covers version control, code management, collaboration, repositories, and tracking changes in software development projects.

5.

AWS Cloud

- Cloud Computing Basics
- AWS Global Infrastructure
- IAM
- EC2
- EBS
- Security Groups
- VPC
- Subnets
- Route Tables
- Internet Gateway
- Load Balancer
- Auto Scaling
- S3
- CloudWatch




AWS Cloud covers cloud computing services, virtual servers, storage, deployment, scalability, and cloud infrastructure management using Amazon Web Services.

6.

Jenkins CI/CD

- Jenkins Installation
- Freestyle Jobs
- Pipeline Jobs
- Declarative Pipeline
- Git Integration
- Maven Build
- CI/CD Workflow




Jenkins CI/CD focuses on automating software building, testing, integration, and deployment for faster and reliable development workflows.

7.

Docker

- Containerization
- Docker Architecture
- Docker Images
- Containers Dockerfile
- Volumes
- Docker Networking
- Docker Compose
- DockerHub




Docker focuses on containerization technology to build, package, deploy, and run applications consistently across different environments.

8.

Kubernetes

- Kubernetes Architecture
- Pods
- ReplicaSet
- Deployment
- Services
- Namespace
- ConfigMap
- Secrets
- Ingress
- HPA
- Rolling Updates



Kubernetes focuses on automating the deployment, scaling, management, and orchestration of containerized applications efficiently.

9.

Terraform

- Infrastructure as Code
- Terraform Basics
- Providers
- Resources
- Variables
- State File
- AWS Infrastructure Creation



Terraform focuses on automating infrastructure creation, configuration, and management using Infrastructure as Code (IaC).

10.

Monitoring & Logging

- Monitoring Basics
- Prometheus Setup
- Grafana Dashboard
- Metrics & Alerts
- Log Monitoring



Monitoring & Logging focuses on tracking system performance, detecting issues, analyzing logs, and ensuring application reliability and security.

GALLERY



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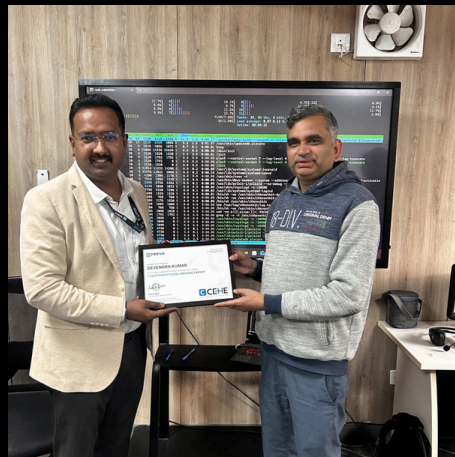
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Hack Defence Summit 2026



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Hackathon

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