



Learn | Research | Innovate

SIX MONTHS MASTER DIPLOMA IN DEVOPS ENGINEER

Craw Security offers a career-focused DevOps program designed to help learners master automation, containerization, cloud deployment, and CI/CD pipelines

OUR PRODUCTS



ThreatFusionAI™



CRACK THE LAB
Gamified way of learning through challenge Labs



PhishNext

TRAINING PARTNERS



Red Hat

EC-Council

CISCO

PECB

CompTIA



python



WWW.CRAW.IN

COURSE OVERVIEW

The DevOps Engineer Master Program is a comprehensive, 6-month industry-aligned training designed to transform IT professionals and graduates into job-ready DevOps engineers. Developed by senior DevOps architects with 10+ years of enterprise experience, this program covers every tool and concept demanded by today's top technology employers.

From the fundamentals of networking and Linux to advanced Kubernetes orchestration, CI/CD pipeline automation, and security best practices, this program provides a structured, hands-on learning journey with 100+ hours of lab exercises, live project work, and dedicated career support.

6 MONTHS

DURATION

10 LEVELS

MODULES

100+ HOURS

LABS

SUPPORT

PLACEMENT

PROGRAM HIGHLIGHTS



Industry Expert Trainers

Learn from active DevOps architects with 10+ years of enterprise experience



100% Hands-On Labs

Every module includes real-world lab exercises, not just theory.



Live Project Experience

Build a complete CI/CD pipeline project from scratch during training.



Cloud-Native Focus

All tools taught in AWS/Azure cloud environments.



Job-Ready Curriculum

Topics aligned with top job descriptions from MNCs and startups.



Interview Preparation

Dedicated sessions for technical interviews and mock assessments.



Certification Guidance

Coaching for CKA, RHCSA, RHCE, AWS, AZURE, GCP DevOps Professional exams.



Lifetime Access

Recorded sessions, notes, and lab materials available forever.

SKILLS YOU LEARN



Networking



Linux



Github



Jenkins



Kubernetes



Ansible

Maven™

Maven

sonarqube

SonarQube



Nexus

COMPLETE CURRICULUM

10 progressive levels covering every tool and concept required for a successful DevOps career. Each module includes learning objectives, hands-on labs, and assessments.



NETWORKING FUNDAMENTALS

- Module 01: Computer Networking & Intro
- Module 02: Pv4 and IPv6 Addressing
- Module 03: Subnet Mask, CIDR & Subnetting
- Module 04: VLSM, Wildcard Masks & Summarization
- Module 05: OSI Model (7 Layers)
- Module 06: TCP/IP Model
- Module 07: Network Devices & Cabling
- Module 08: Cisco Packet Tracer Labs
- Module 09: ARP and ICMP Protocols
- Module 10: Packet Flow Deep Dive
- Module 11: Static Routing (Next-Hop & Exit Interface)
- Module 12: Dynamic Routing – RIP
- Module 13: EIGRP Configuration
- Module 14: OSPF Single & Multi-Area
- Module 15: Route Redistribution
- Module 16: Telnet and SSH Remote Access
- Module 17: DHCP Configuration
- Module 18: Access Control Lists (ACL)
- Module 19: Switching Concepts
- Module 20: CDP, VLAN, STP, DTP, VTP
- Module 21: EtherChannel (LACP/PAGP)
- Module 22: Port Security

LINUX ADMINISTRATION (RHEL)

- Module 01: Getting Started with RHEL
- Module 02: Accessing the Command Line
- Module 03: Managing Files & Directories
- Module 04: Getting Help in Linux
- Module 05: Viewing & Editing Text Files (vim, nano)
- Module 06: Managing Local Users & Groups
- Module 07: File Permissions & ACLs
- Module 08: Monitoring & Managing Processes
- Module 09: Controlling Services & Daemons (systemd)
- Module 10: Configuring & Securing SSH
- Module 11: Analysing & Storing Logs (journald)
- Module 12: Managing Networking (nmcli)
- Module 13: Archiving & Transferring Files (tar, rsync, scp)
- Module 14: Installing & Updating Packages (yum/dnf)
- Module 15: Accessing & Mounting Filesystems
- Module 16: Analyzing Servers & Getting Support

GIT & GITHUB

- Module 01: SCM & Version Control Concepts
- Module 02: What is Git? Key Terminology
- Module 03: Creating Repos on GitHub
- Module 04: Git Config Files & Init
- Module 05: Upstream, Remote, Clone, Fork
- Module 06: Branch Concepts & Strategies
- Module 07: Git Checkout & Branching
- Module 08: Working Directory & Staging Area
- Module 09: Git Add, Commit, Push, Pull
- Module 10: Git Log, Show & History Review
- Module 11: Git Diff – Comparing Commits
- Module 12: Git Revert & Reset
- Module 13: Git Rebase (Interactive)
- Module 14: Git Merge & Conflict Resolution
- Module 15: Git Stash & Tag
- Module 16: Git Cherry-pick
- Module 17: Pull Requests & Code Review
- Module 18: Branching Strategy (GitFlow, Trunk-based)



JENKINS CI/CD

- Module 01: What is Jenkins & Why Popular
- Module 02: Jenkins Installation (Docker/WAR/RPM)
- Module 03: Config Files & Directory Structure
- Module 04: Changing Default Ports
- Module 05: Environment Variables (Built-in & User-defined)
- Module 06: User Management & RBAC
- Module 07: Installing Plugins (GUI & HPI)
- Module 08: Jenkins Jobs & Workspaces
- Module 09: GitHub Integration & Webhooks
- Module 10: Credentials Manager
- Module 11: Build Triggers & Scheduling
- Module 12: Build Status & Notifications

- Module 13: Upstream & Downstream Jobs
- Module 14: Email Notifications Setup
- Module 15: Ansible Integration
- Module 16: SonarQube Integration
- Module 17: Maven Integration
- Module 18: Executor & Slave Configuration
- Module 19: Labels & Views
- Module 20: Multi-Branch Pipeline
- Module 21: Declarative Pipeline Syntax
- Module 22: Scripted Pipeline Syntax
- Module 23: Jenkinsfile, Parameters, Timeout
- Module 24: Agents, Stages & Steps

DOCKER & CONTAINERIZATION



- Module 01: Server Provisioning & VM Challenges
- Module 02: OS vs Hardware Virtualization
- Module 03: Docker Architecture & Components
- Module 04: Docker Installation (Cloud & On-Prem)
- Module 05: Docker Hub & Image Registry
- Module 06: Image & Container Commands
- Module 07: Creating & Managing Containers
- Module 08: Executing Commands in Containers
- Module 09: Docker Logging Drivers
- Module 10: Port Mapping & Exposure
- Module 11: Image Modification & Layering
- Module 12: Manual Image Build Process
- Module 13: Custom BINS/LIBS in Images

- Module 14: Stateless vs Stateful Applications
- Module 15: Persistent Storage & Volumes
- Module 16: Docker Volume Backup & Restore
- Module 17: Introduction to Dockerfile
- Module 18: Writing Dockerfiles for Custom Apps
- Module 19: Image History, Save & Load
- Module 20: Docker Bridge & Custom Networks
- Module 21: Container-to-Container Communication
- Module 22: Docker Registry (Public & Private)
- Module 23: Docker Compose Installation
- Module 24: Compose File Creation
- Module 25: Volumes & Networking in Compose

KUBERNETES ORCHESTRATION

- Module 01: Introduction to Kubernetes
- Module 02: Cluster Architecture (Master/Worker)
- Module 03: Core Kubernetes Objects
- Module 04: ETCD, Controller Manager, API Server, Scheduler
- Module 05: Exploring Your Cluster (kubectl)
- Module 06: YAML Fundamentals for Kubernetes
- Module 07: Minikube Installation
- Module 08: Kubectl HA Cluster Setup
- Module 09: Kubernetes the Hard Way
- Module 10: Kops on AWS
- Module 11: Deployments & Services (YAML)
- Module 12: Pods, ReplicaSets & Deployments
- Module 13: Rolling Updates & Rollbacks
- Module 14: ConfigMaps & Environment Variables
- Module 15: Secrets for Sensitive Data
- Module 16: Multi-Container Pods

- Module 17: Init Containers
- Module 18: Self-Healing (liveness/readiness probes)
- Module 19: Persistent Volumes & Claims
- Module 20: IVolume Claim Policies
- Module 21: Manual & Label-Based Scheduling
- Module 22: Taints, Tolerations & Node Affinity
- Module 23: DaemonSets & Static Pods
- Module 24: Multiple Schedulers
- Module 25: Resource Limits & Quotas
- Module 26: LimitRange Objects
- Module 27: RBAC Authentication
- Module 28: TLS & Certificate Management
- Module 29: ClusterRoles & RoleBindings
- Module 30: Security Context & Network Policy
- Module 31: Image Security Best Practices
- Module 32: Logging & Monitoring (EFK/Prometheus)

ANSIBLE AUTOMATION

- Module 01: Automating Linux Admin with Ansible
- Module 02: Installing Ansible & Architecture
- Module 03: Building Static Inventory
- Module 04: Managing Ansible Configuration Files
- Module 05: Running Ad Hoc Commands
- Module 06: Writing & Running Playbooks
- Module 07: Implementing Multiple Plays
- Module 08: Managing Variables (host, group, extra)
- Module 09: Managing Secrets with Vault
- Module 10: Managing Facts & Custom Facts
- Module 11: Writing Loops & Conditional Tasks
- Module 12: Implementing Handlers
- Module 13: Handling Task Failures & Blocks
- Module 14: File Templates with Jinja2

- Module 15: Managing Software & Subscriptions
- Module 16: Managing Users & Authentication
- Module 17: Boot Process & Scheduled Processes
- Module 18: Managing Storage with Ansible
- Module 19: Network Configuration Automation
- Module 20: Host Patterns in Inventory
- Module 21: Dynamic Inventories (AWS/GCP)
- Module 22: Configuring Parallelism (forks)
- Module 23: Including & Importing Playbooks/Tasks
- Module 24: Role Structure & Best Practices
- Module 25: Reusing Content with System Roles
- Module 26: Creating Custom Roles
- Module 27: Ansible Galaxy
- Module 28: Troubleshooting Playbooks & Hosts



MAVEN BUILD TOOL

- Module 01: Maven Introduction & Installation
- Module 02: Convention over Configuration
- Module 03: Pom.xml Structure & Elements
- Module 04: Maven Build Lifecycle (validate→deploy)
- Module 05: Local, Central & Remote Repositories
- Module 06: Settings.xml Configuration
- Module 07: Group ID, Artifact ID & Version

- Module 08: Snapshot vs Release Builds
- Module 09: Dependency Management
- Module 10: Maven Archetypes
- Module 11: Distribution Management
- Module 12: Maven Integration with SonarQube
- Module 13: Maven Integration with Nexus
- Module 14: Maven Integration with Tomcat

SONARQUBE CODE QUALITY

- Module 01: Why Source Code Scanning Is Required
- Module 02: SonarQube Introduction & Installation
- Module 03: SonarQube Architecture
- Module 04: Home Directory Structure
- Module 05: Scanning Rules & Quality Profiles
- Module 06: Quality Gates Configuration

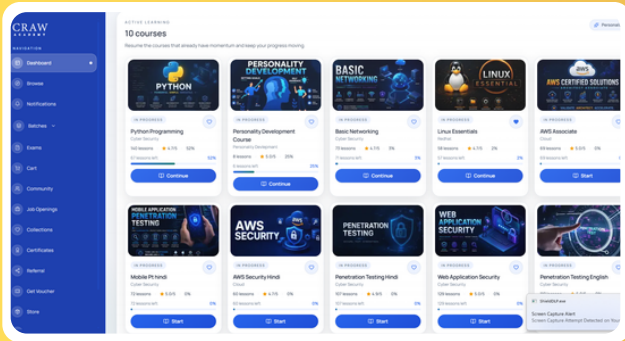
- Module 07: SonarQube + Maven Integration
- Module 08: Reading & Acting on Reports
- Module 09: Custom Quality Gates
- Module 10: User & Group Management
- Module 11: SonarQube + Jenkins Integration
- Module 12: SonarQube Webhooks & Notifications

NEXUS REPOSITORY MANAGER

- Module 01: What is a Repository & Why It Matters
- Module 02: Repository Management Tools Overview
- Module 03: Nexus Introduction & Use Cases
- Module 04: Installation: Container, Pod & Service
- Module 05: Nexus Administration & Security
- Module 06: Hosted vs Proxy vs Group Repositories

- Module 07: Repository Replication Concepts
- Module 08: Maven Hosted & Proxy Repos
- Module 09: Nexus as Docker Hosted Registry
- Module 10: Nexus + Maven Integration
- Module 11: Snapshot & Release Artifact Deployment
- Module 12: Nexus Troubleshooting

LMS PORTAL FOR STUDENTS AND VISITORS



We encourage students and visitors to sign up and log in to the LMS (Learning Management System) Portal for multipurpose usage, including free access to CrackTheLab Premium Subscription, enrolled course details, training videos, attendance records, examinations, physical and software hacking tools, training vouchers, job opportunities, certificates, and many more features.

To know more about the LMS Portal, please scan the QR code provided here.



INDUSTRY INTERNSHIP OPPORTUNITIES

Gain practical industry exposure through a 6-month internship opportunity after completing the 1-Year Cyber Security Diploma, where students can work on real-world cybersecurity projects, enhance technical skills, and build professional experience for better career opportunities.

PD SESSIONS & GD SESSIONS

Get high-end Personality Development Sessions and know the details of enhancing your aura & charm to get fruitful results in making a lasting impression in face-to-face interactions at professional interviews.



RESUME BUILDING

Get expert guidance to create a strong, professional, and job-focused resume that highlights your skills and certifications. Our trainers help students present their cybersecurity knowledge, projects, and achievements effectively to recruiters.



ENGLISH COMMUNICATION CLASSES

Improve your spoken English, professional vocabulary & communication confidence for interviews and workplace interactions. These classes help students to express technical concepts clearly & confidently in a professional environment.



MOCK INTERVIEW SESSIONS

Practice real interview scenarios with trainers and industry experts to understand common technical and HR interview questions. Mock interviews help students identify weak areas, improve answers, and gain confidence before facing actual recruiters.



PLACEMENT DRIVES AT CRAW SECURITY

Craw Security conducts placement drives to connect trained students with hiring opportunities in reputed companies. Students get exposure to off-campus interviews as well as campus placement drives organized at our Saket branch.



Get trained with expert-led sessions including PD Sessions, Campus Placement Preparation, GD Sessions, Mock Interviews, English Communication Classes, Resume Building and more to become industry-ready.

Scan the QR Code to watch the video and explore how CRAW Security can help shape your future in Cyber Security and IT.



INTERVIEW SESSIONS AT CRAW SECURITY

CAMPUS PLACEMENT DRIVES

Students are provided opportunities to attend interviews at various companies based on job openings and eligibility. These off-campus interview sessions help candidates gain real hiring exposure and industry-level interview experience.



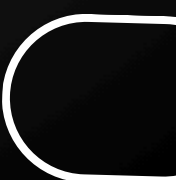
INDIVIDUAL COUNSELLING SESSIONS

Personal counselling sessions are available for students who need career guidance, interview support, or learning direction. These one-to-one sessions help students choose the right career path and improve their preparation strategy.



CONFIDENCE BUILDING CLASSES

Develop self-confidence, positive thinking, and a professional mindset through guided training and practical activities. These classes help students overcome hesitation and perform better in interviews, presentations, and workplace situations.



PLACEMENT SUPPORT WITH LEADING COMPANIES



CYBERSECURITY LIBRARY & LEARNING RESOURCES

CRAW Security provides dedicated library services and learning resources for students enrolled in This Course & one-year diploma programs. Our library support includes access to cybersecurity books, digital study materials, research content, technical documentation, and learning references designed to enhance practical and theoretical knowledge. These resources help students strengthen their understanding of ethical hacking, cyber security, digital forensics, and emerging technologies while supporting continuous learning and professional development.



DAILY CYBER SECURITY NEWS News4hackers

Stay informed with the latest cyber security news, hacking incidents, ransomware attacks, data breaches, and vulnerability disclosures from around the world with News4Hackers.com. Get real-time updates, expert insights, and breaking reports to stay ahead of emerging cyber threats, online scams, and digital security risks.

CRACK THE LAB “CTF PLATFORM” (GLOBAL)



Discover a real-life cybersecurity training experience on a single platform. “Crack The Lab,” a dedicated Capture The Flag platform, offering an arena to showcase your knowledge & skills using the latest cybersecurity tools under the supervision of cybersecurity experts.



- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theoretical
- ★ Software Toolkit
- ★ Ebooks
- ★ Practise Forensics Labs
- ★ Certification



CAREER PATHS

Build and automate cloud infrastructure, CI/CD pipelines, and deployment workflows for reliable and scalable software delivery.



DevOps Engineer

Design, automate, and manage software delivery pipelines using CI/CD, Docker, Kubernetes, and cloud platforms. Ensure faster deployments, system reliability, and scalable infrastructure.



Cloud Engineer

Build, deploy, and maintain cloud infrastructure on AWS, Azure, or Google Cloud. Optimize performance, security, and scalability for modern applications and services.



Site Reliability Engineer (SRE)

Improve system reliability, availability, and performance through automation, monitoring, and incident management. Bridge the gap between development and operations teams.



DevSecOps Engineer

Integrate security into every stage of the development lifecycle. Automate security testing, compliance checks, and vulnerability management across cloud environments.



Automation Engineer

Create automated workflows, infrastructure scripts, and deployment processes using Infrastructure as Code (IaC) tools to improve efficiency and reduce manual tasks.



Infrastructure Engineer

Design and manage servers, networks, storage, and virtualization environments while ensuring secure, reliable, and scalable IT infrastructure.

BENEFITS OF LEARNING DEVOPS

Build and automate cloud infrastructure, CI/CD pipelines, and deployment workflows for reliable and scalable software delivery.



High Demand Career Opportunities



Faster Career Growth



Industry-Standard Tools & Technologies



Global Job Opportunities



Expertise in Cloud & Automation



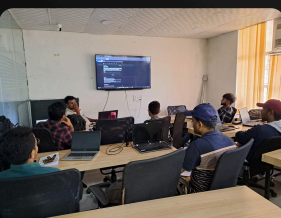
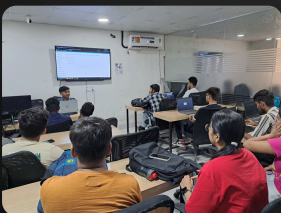
Hands-On Project Experience



Competitive Salary Potential



Future-Ready Technical Skills



- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theoretical
- ★ Software Toolkit
- ★ Ebooks
- ★ Practise Forensics Labs
- ★ Certification



AFFILIATE PROGRAM

- Join the Crow Security Affiliate Program and earn money by promoting courses on your website or blog.
- You can start earning immediately without doing much extra work.
- There are 200+ certification and training programs available to promote.
- All courses are handled by professional and certified instructors.
- Training includes 30% theory and 70% practical learning.
You don't need to worry about teaching, course content, or instructors — everything is managed by Crow Security.
- The institute provides authorized and registered certifications.
- Certifications are issued by well-known councils and authorities.
- Students from India and around the world can enroll in these courses.
- Crow Security works as an authorized training center for certifications and training programs.



TRAINING PARTNERS



EC-Council

CompTIA



python

CISCO



Red Hat



aws



Microsoft

CERTNEXUS®

PECB



T&C FOR 100% JOB PLACEMENT* ASSISTANCE

- Attendance 75% is mandatory.
- Marks for internal exams should be 80% mandatory.
- Fees for the 6 Months Master Diploma in DevOps Engineer should be properly paid.
- Candidates can apply for a Job after completion of 6 modules.
- Candidates are eligible for taking Mock Interview sessions, PD Classes, Resume Making Sessions, Communication classes, and many more services from the Placement Cell right from the Day 1 after enrolling in the 6 Months Master Diploma in DevOps Engineer
- Global certifications required, if needed by companies for a job.
- Candidates should be Graduated/ Pursuing.
- One time job Assistance/ Placement will be provided, if candidate missed any interview, Crow Placement cell will not liable to re-arrange the interview and also Crow Academy will not be liable for any refund or future litigations or claims.
- Package as per candidate's skills or according to company norms.
- Ideal Candidates can apply in multiple jobs.
- Post Placement Process will be provided by Placement Cell which is as follows.
 - a. Documentation
 - b. Offer Letter
 - c. Joining Date/ Timeline of Joining

CROW
ACADEMY

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Payment Mode

1. OneShotPayment
2. Installment Available



Card, Wallets, UPI & Netbanking

VISA UPI

Payment processing partner

Razorpay

Use UPI id : Crow@kotak

NOTE – * T&C Apply only for 6 Months Master Diploma in DevOps Engineer

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CRAW
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