

100% REMOTE
INTERNSHIP

45 DAYS

INTERNSHIP PROGRAM

AWS CLOUD & DEVOPS

Learn. Build. Deploy. **Grow.**

Hands-on Internship for Future-Ready Careers



FOR
BCA, BTECH,
MCA STUDENTS

All Streams Welcome



NO PRIOR
EXPERIENCE
REQUIRED

Only a True Learner



REGISTRATION
FEE ONLY

₹ 100

Limited Seats!



PROGRAM HIGHLIGHTS



45 Days Structured Learning Path



Live Sessions & Hands-on Projects



Industry Best Practices



Certificate of Completion



Career Guidance & Mentorship



WHAT YOU'LL LEARN

- ✓ AWS Cloud Fundamentals
- ✓ Linux & Networking Basics
- ✓ Docker & Containerization
- ✓ CI/CD with Jenkins & GitHub Actions
- ✓ Kubernetes Basics
- ✓ Infrastructure as Code (Terraform)
- ✓ Monitoring & Logging
- ✓ Real-time Projects & Hands-on Labs



START YOUR CLOUD & DEVOPS
JOURNEY WITH **ATTLE!**

LIMITED SEATS ONLY
ENROLL NOW!



COMMENT "INTERESTED"
OR DM US DIRECTLY!
We'll share all the details.



100% Remote
Internship



Learn from
Experts



Hands-on
Projects



Build Your
Future



TRUE LEARNERS.
BRIGHTER FUTURES.



AFFORDABLE
& ACCESSIBLE

QUALITY LEARNING SHOULD BE ACCESSIBLE TO ALL.
THAT'S WHY REGISTRATION IS **ONLY ₹100!**



CERTIFICATE
OF COMPLETION



Your 45-Day Journey to Cloud & DevOps Excellence

**WEEK-1****Linux & Networking Fundamentals****1. Linux Administration Basics**

- Linux Introduction
- Linux Directory Structure
- Basic Linux Commands
- Process Management
- Service Management

**2. User and Permission Management**

- Users and Groups
- User Creation and Management
- File Ownership
- File Permissions
- Sudo Access

**3. File System and Package Management**

- File System Basics
- Disk Management
- Archiving and Compression
- Package Installation
- Package Updates and Removal

**4. Networking Fundamentals**

- Networking Basics
- IP Addressing
- DNS Concepts
- Network Commands
- Ports and Protocols

**5. SSH and Remote Access**

- SSH Introduction
- SSH Connectivity
- SSH Key Authentication
- SCP File Transfer
- SSH Security Best Practices

01

02

**WEEK-2****AWS Cloud Fundamentals****1. Cloud Computing Concepts**

- Introduction to Cloud Computing
- Cloud Service Models (IaaS, PaaS, SaaS)
- Cloud Deployment Models
- Benefits of Cloud Computing
- Shared Responsibility Model

**2. AWS Global Infrastructure**

- AWS Regions
- Availability Zones
- Edge Locations
- Global Network Overview
- Choosing AWS Regions

**3. AWS Free Tier Setup**

- AWS Account Creation
- Free Tier Overview
- Account Security Setup
- Multi-Factor Authentication (MFA)
- AWS Management Console Navigation

**4. AWS IAM (Identity and Access Management)**

- IAM Overview
- IAM Users and Groups
- IAM Roles
- IAM Policies
- Best Practices for Access Control

**5. AWS Billing and Cost Management**

- AWS Pricing Basics
- Billing Dashboard
- Cost Explorer
- Budget Creation
- Cost Optimization Basics

**6. Hands-On Practice**

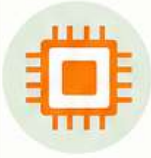
- Create AWS Account
- Configure MFA
- Create IAM Users and Groups
- Assign IAM Permissions
- Create AWS Budget Alerts

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NO FIXED SCHEDULEHANDS-ON PROJECTS
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**WEEK-3****AWS SERVICES ESSENTIALS****1. Amazon EC2**

- Introduction to Amazon EC2
- EC2 Instance Types
- Launching an EC2 Instance
- EC2 Instance Lifecycle
- Connecting to EC2 Instances

**2. Amazon EBS**

- Introduction to Amazon EBS
- EBS Volume Types
- Attaching and Detaching Volumes
- EBS Snapshots
- Volume Resize and Management

**3. Amazon S3**

- Introduction to Amazon S3
- S3 Buckets and Objects
- Bucket Policies
- Object Versioning
- Storage Classes

**4. Amazon VPC Basics**

- Introduction to Amazon VPC
- Public and Private Subnets
- Route Tables
- Internet Gateway
- Network ACL Basics

**5. Security Groups and Key Pairs**

- Security Groups Overview
- Inbound and Outbound Rules
- Creating and Managing Security Groups
- Key Pair Creation
- Secure EC2 Access Using Key Pairs

03

04

**WEEK-4****DEVOPS & GIT FUNDAMENTALS****1. Introduction to DevOps**

- What is DevOps?
- Benefits of DevOps
- DevOps Culture
- DevOps Principles
- DevOps Tools Overview

**2. DevOps Lifecycle**

- Plan
- Develop
- Build
- Test
- Deploy
- Monitor

**3. Git Fundamentals**

- Introduction to Git
- Git Installation and Configuration
- Git Repository Initialization
- Basic Git Commands
- Commit History and Logs

**4. GitHub/GitLab Repositories**

- Introduction to GitHub and GitLab
- Creating Repositories
- Cloning Repositories
- Push and Pull Operations
- Repository Management

**5. Branching and Collaboration Workflows**

- Creating and Managing Branches
- Merging Branches
- Pull Requests / Merge Requests
- Conflict Resolution
- Git Workflow Best Practices

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WEEK-5

CI/CD & DOCKER FUNDAMENTALS



1. Jenkins Fundamentals

- Introduction to Jenkins
- Jenkins Architecture
- Installing Jenkins
- Jenkins Dashboard Overview
- Managing Jenkins Plugins



2. CI/CD Pipeline Concepts

- Introduction to CI/CD
- Continuous Integration (CI)
- Continuous Delivery (CD)
- Freestyle Jenkins
- Deployment of a website on EC2 using freestyle



3. Docker Fundamentals

- Introduction to Docker
- Docker Architecture
- Docker Installation
- Docker CLI Basics
- Docker Registry Overview



4. Docker Images and Containers

- Docker Images
- Docker Containers
- Image Creation using Dockerfile
- Container Lifecycle Management
- Docker Hub Operations



5. Docker Compose Basics

- Introduction to Docker Compose
- Docker Compose File Structure
- Beginner Docker Compose Commands (Ask to GPT)
- Docker Networking and Volumes

05

06



WEEK-6

KUBERNETES & INFRASTRUCTURE AS CODE



1. Kubernetes Essentials

- Pods
- ReplicaSets
- ReplicationController
- Services
- YAML Basics
- Manifest Files
- Kustomize
- Service Types:
 - ClusterIP
 - NodePort
 - LoadBalancer



2. Infrastructure as Code Introduction

- Introduction to Infrastructure as Code (IaC)
- Benefits of IaC
- Declarative vs Imperative Approach
- IaC Tools Overview
- Terraform Use Cases



3. Terraform Fundamentals

- Introduction to Terraform
- Terraform Installation
- Terraform Workflow (Init, Plan, Apply, Destroy)
- Terraform Configuration Files
- Variables and Outputs



4. AWS Resource Provisioning with Terraform

- Terraform AWS Provider
- Provisioning an EC2 Instance
- Creating an S3 Bucket
- Managing Infrastructure State
- Resource Dependencies

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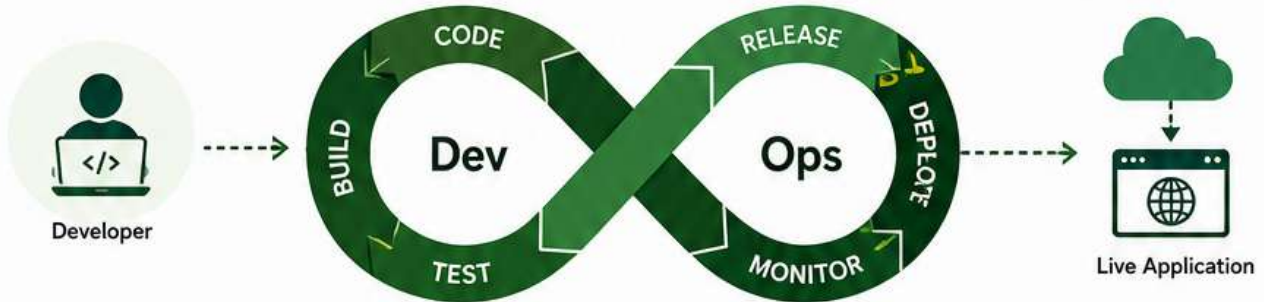
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WEEK-7

INDUSTRY RELEVANT MAJOR PROJECT

Apply all the concepts and tools learned in the past 6 weeks to build a real-world end-to-end Cloud & DevOps project.



PROJECT OVERVIEW

You will design, build, and deploy a complete web application on AWS using DevOps best practices and industry-standard tools.



1. INFRASTRUCTURE (PROVISION WITH IaC)

- Use Terraform to create:
 - VPC with Public & Private Subnets
 - Internet Gateway, Route Tables
 - Security Groups
 - EC2 Instance (for application)
 - S3 Bucket (for static assets)
- Use best practices for secure infrastructure



2. APPLICATION SETUP

- Develop a simple web application (HTML/CSS/JS or any framework)
- Store code in GitHub
- Dockerize the application
- Push Docker image to Docker Hub



3. CI/CD PIPELINE (WITH JENKINS)

- Install & configure Jenkins
- Create a pipeline to:
 - Checkout code from GitHub
 - Build Docker image
 - Push image to Docker Hub
 - Deploy to EC2 using SSH
- Trigger pipeline automatically on code changes



4. DEPLOYMENT

- Run the Docker container on EC2 using Docker Compose
- Expose the application via Security Group & Public IP
- Ensure the website is accessible over the internet



5. MONITORING & LOGGING

- Monitor system and application metrics using Prometheus & Grafana (Optional)
- Centralize logs using Loki (Optional)



6. BONUS (IF TIME PERMITS)

- Configure HTTPS using Nginx & Let's Encrypt
- Implement Backup for S3 & EBS
- Add Auto Scaling Group for EC2
- Set up CloudWatch Alarms



DELIVERABLES



Working Web Application on AWS



IaC Code (Terraform)



Source Code (GitHub)



CI/CD Pipeline (Jenkins)



Project Documentation



Demo & Presentation



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