

DevOps BootCamp

Course Curriculum

Welcome to the DevOps BootCamp, a comprehensive program designed to equip you with the essential skills and knowledge needed to thrive in the dynamic world of DevOps. This curriculum has been meticulously crafted to provide you with a well-rounded understanding of key tools and concepts integral to modern software development and operations practices.

1. Git and GitHub

- ☐ Introduction to GIT and GitHub
- ☐ GitHub account Overview
- ☐ GIT commands :
 - Configuring GIT
 - File Tracking
 - Branching
 - Resolving Merge Conflicts
- Clone and Status
- Init Commands
- GIT Merge
- Fork

2. Computer Networks

- ☐ Introduction to Computer Networking
- ☐ Protocols and their types
- ☐ IP Address and Ports
- ☐ Network Topologies
- ☐ Network Architectures
- ☐ HTTP Protocol
- ☐ TCP and UDP

3. Linux OS and Commands

- ☐ Intro to Linux OS
- ☐ File commands
- ☐ Process Management
- ☐ File Permissions
- ☐ Searching & System Info
- ☐ Network & Installation

4. Amazon Web Services

- ☐ Introduction to AWS and AWS console
- ☐ EC2 Instance and AMI
- ☐ Lambda Function
- ☐ Dynamo DB
- ☐ S3 Bucket (Simple Storage Service)
- ☐ AWS Key Management Services (KMS)
- ☐ AWS IAM (Identity and Access Management)

5. Docker

- ☐ Introduction to Docker
- ☐ Docker build assignment

6. Jenkins

- ☐ Introduction to Jenkins
- ☐ Jenkins Hands on Assignment (CI)

7. Kubernetes

8. Terraform

9. Ansible