

VTU Dev-Ops Internship  
Candidate ID : CAN\_33847963

Date	Topic	Estimated Hours	Guide Signature
30 Dec	Introduction to Python and Basic Syntax	2	
31 Dec	Control Structures	3	
02 Jan	Functions	2	
03 Jan	Data Structures	2	
04 Jan	File Handling	2	
06 Jan	Modules, Libraries	3	
07 Jan	Exception Handling	2	
08 Jan	Object-Oriented Programming	3	
09 Jan	Python programming with Databases	2	
10 Jan	Hands-On Practice and Guided Project	2	
11 Jan	Introduction to Prompt Engineering and AI Models	2	
13 Jan	Crafting Effective Prompts	2	
15 Jan	Prompt Engineering for Specific Applications	2	
16 Jan	Ethical Considerations and Advanced Techniques	2	
17 Jan	Hands-on Practice with AI Tools	2	
27 Jan	Introduction to Linux and Basic Commands	3	
28 Jan	User and File Permissions Management	3	
29 Jan	Package and Disk Management	3	
30 Jan	Networking and System Monitoring	3	
31 Jan	Process Mgmt and Shell Scripting	3	
03 Feb	Introduction to Networking	3	
04 Feb	TCP/IP Model and IP Addressing	3	
05 Feb	Subnetting and DHCP	3	
06 Feb	Application Layer Protocol	3	
07 Feb	Network Troubleshooting and Security	2	
10 Feb	Introduction to SQL/NoSQL Databases	2	
11 Feb	SQL Querying	3	

12 Feb	Database Normalization & Indexing	3	
13 Feb	NoSQL Databases	3	
14 Feb	Guided Project Using Python & MongoDB	3	
17 Feb	Introduction to Flask and App Setup	2	
18 Feb	Templates and Static Files	2	
19 Feb	Handling Forms and User Input	2	
20 Feb	Flask-SQLAlchemy DB Integration	2	
21 Feb	Authentication & Deploying Flask	2	
22 Feb	Hands-On Practice Lab	2	
24 Feb	Intro to Cloud Computing & Core Services	2	
25 Feb	Core Cloud Services Continued	2	
26 Feb	Introduction to Cloud DevOps	2	
27 Feb	Advanced Cloud Computing	2	
28 Feb	Guided Project, Career Pathways	2	
01 Mar	Setup AWS Services	2	
03 Mar	Intro to Kubernetes	2	
04 Mar	Google Kubernetes Engine (GKE)	2	
05 Mar	Elastic Kubernetes Service (EKS)	2	
06 Mar	Azure	2	
07 Mar	Run Web App on Each Cloud	2	
08 Mar	Lab: Setup EKS	2	
10 Mar	AWS Account Creation, IAM	2	
11 Mar	Amazon S3 - Introduction	2	
12 Mar	S3 Advanced Features	2	
13 Mar	EC2 Fundamentals	2	
14 Mar	EC2 Monitoring and Management	2	
17 Mar	Install & Configure AWS CLI	2	
18 Mar	AWS CLI - Basic Usage	2	
19 Mar	AWS CLI for EB Tools	2	
20 Mar	AWS CLI for SAM Tools	2	
21 Mar	AWS CLI for Templates	2	
22 Mar	Amazon's DevOps Transformation	2	

23 Mar	AWS DevOps Services Across Lifecycle	2	
24 Mar	AWS Services for CI/CD	2	
25 Mar	Create and Control CI/CD Pipeline	2	
26 Mar	CodeGuru Reviewer & Profiler	2	
27 Mar	CodeGuru Reviewer Supports DevOps	2	
28 Mar	CodeGuru Reviewer in Development	2	
29 Mar	Analyze Code with CodeGuru Reviewer	2	
30 Mar	Secure Coding + Soft Skills Part 1	2	
31 Mar	Soft Skills Part 2 + DevOps Methodologies	3	
--	<b>On-the-Job Training (OJT)</b>	<b>50</b>	
--	<b>Project Work</b>	<b>30</b>	
	<b>Total</b>	<b>400</b>	