

# Akash Sharma

## DevOps Engineer

Driven DevOps Engineer offering almost one year experience in systems administration and development of IT projects. I can make a Significant contribution using my innovative ideas, knowledge ,skills and experience with the objective of development & growth of the Organization.

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## WORK EXPERIENCE

### DEVOPS INTERNSHIP 2021

ADIXOO TECH (Indore, Madhya Pradesh)

05/2021 - 11/2021

#### Achievements/Tasks

- Learned Trending DevOps technologies like Linux , Docker , Ansible ,Git/GitHub , Cloud Technologies etc
- Worked on hands-on projects like CI-CD Pipeline ,
- Deploy an application with a database ,
- Deploy a containerised application ,
- Deploy WordPress Application with a database

## EDUCATION

### B.Sc in Computer Science

Govt. Holkar Science College

08/2016 - 12/2019

percentage 55 %

### MP Board of Secondary Education -12th

Shree Uma Vidhya Mandir

07/2014 - 04/2016

percentage 85 %

### MP Board of Secondary Education -10th

Shree Uma Vidhya Mandir

07/2012 - 04/2014

percentage 66%

## SKILLS

Git

Ansible

Docker

Maven

Kubernetes

Docker Compose

jenkins

CI-CD pipeline

Ant

tomcat

Nginx

Shell Script

Python

C

JavaScript

EC2

Elastic Beanstalk

VPC

Lambda

ELB

Cloud Computing

Skill

## PERSONAL PROJECTS

### Project:-1:-CREATED VIRTUAL MACHINE

- Downloaded ubuntu.io file and virtualization software( VirtualBox) , Install VirtualBox and give ram and memory after that attached ubuntu.io file and start ubuntu. I used some commands like -sudo su, apt update -y , ls , cd , mkdir ,cat , tree , pwd , history ,touch ,nano , rm ,rm -ef free, hostname -i , mv,cp ,ls-a, ls -l ,shutdown etc .

### Project:-2 :- AWS EC2 VOICE AUTOMATION AND USER MANAGEMENT

- Create AWS account ,Manage AWS EC2 by using voice commands to launch , stop, start, reboot and terminate instances. Users management(Creation, Updating, Deletion, Locking/Unlocking, Permission, Groups).
- Folder creation and folder permissions as per the project, Copy/move application related files or folders to desired location, as per the change requests,
- Installed and managed different RPM Linux repositories configured YUM Installs, Installation and configuration on Amazon Linux,
- Remote shell access using SSH, password less login using SSH key and remote file transfer with SCP . Backup and restore by using tar & gzip.

### Project:-3 :- Created CI-CD pipeline

- We have taken lead in migration process of servers & data from on-premises data centre to AWS Cloud, We have done Jenkins installation, configuration and Master, Slave configuration setup.
- Created branches by using Git, Development, feature, release branches.
- Docker containers, Images, written Docker files for deployment purpose.
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### Project:-4 :-DEPLOY AN APPLICATION WITH A DATABASE

- Create Instance on AWS and install docker packages and docker Compose .
- Create a directory for project , open directory and Create Docker-compose.yml file
- In YAML file we write services like database(Mysql) and WordPress , add volume and environment setup for database and used WordPress image and give ports .
- Run Command (docker-compose up) for start Docker-Compose and check network we access WordPress on webserver using ip:port . Stop services so used command docker-compose down