

Ashish Thakur

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Cloud & DevOps enthusiast with hands-on experience through real-world projects, internships, and intensive training. Skilled in deploying infrastructure on AWS and Azure using tools like Terraform, Ansible, Docker, Kubernetes, and Jenkins. Strong foundation in system administration, automation, and scripting with Python and Bash. Passionate about building scalable, secure, and reliable cloud solutions while continuously learning and growing in the field of cloud computing and DevOps.

TECHNICAL SKILLS

- **DevOps Tools:** Git & GitHub, Terraform, Jenkins, Docker, Kubernetes
 - **Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure
 - **Scripting Languages:** Bash, Shell Scripting, Python (Basics), YAML, JSON
 - **Configuration Management:** Ansible
 - **Monitoring & Logging:** AWS CloudWatch, Azure Monitor, Application Insights
 - **Operating Systems:** Linux (CentOS, Ubuntu, Red Hat), Windows
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EDUCATION

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| BCA Maharishi Dayanand University | 2017 -- 2020 |
| Senior Secondary Jain Sr. Sec. School | 2016 |

COURSES

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| DevOps Professional Certification Course: CloudThat | August, 2025 |
| AWS Cloud Training – Ducat IT Institute | February, 2023 |
| Web Development – Teachnook | December, 2022 |
| Advance Diploma in Software Management – ZAD Institute | 2018 |

PROFESSIONAL EXPERIENCE

- **Associate Operations – PopBazaar E-commerce Pvt Ltd** (April '22 – July '22)
 - Managed product listings, SKU updates, and catalog maintenance.
 - **Web Development Intern – Immensphere** (Oct '22 - Nov '22)
 - Developed frontend components using HTML, CSS, and JavaScript
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PROJECTS

- **Full-Stack DevOps Deployment Project (Django + Next.js)**
 - Designed and deployed a full-stack web application with **Django backend** and **Next.js frontend**

- Containerized applications using **Docker** to ensure consistent and portable environments
- Orchestrated multi-container setup using **Docker Compose** for seamless service communication
- Provisioned AWS infrastructure (**EC2, Security Groups**) using **Terraform (Infrastructure as Code)**
- Automated instance configuration by installing Docker using **Terraform user_data scripts**
- Implemented **CI pipeline using GitHub Actions** to validate backend configuration on code push
- Deployed application on AWS EC2 and exposed services via ports **3000 (frontend)** and **8000 (backend)**
- **Troubleshoot deployment issues related to Docker, networking, and cloud access**

Tech Stack

AWS (EC2, Security Groups), Docker, Docker Compose, Terraform, GitHub Actions, Linux, Git

- **Kubernetes Deployment for Flask Application**
 - Set up a Kubernetes cluster using Kops on AWS with high availability and custom networking.
 - Built and pushed Docker images of a Flask application to Docker Hub.
 - Deployed the app using Kubernetes manifests (Deployment, Service, Ingress).
 - **QuickKart – Cloud-Based E-Commerce App**
 - Implemented login functionality using *Azure Function (HTTP Trigger)* and integrated it with Angular frontend.
 - Built and deployed *CI/CD pipelines* using Azure DevOps (YAML + Classic) with approval and monitoring gates.
 - Configured self-hosted agent on Azure VM for controlled build and deployment execution.
 - **AWS Cloud Infrastructure Deployment**
 - Designed and deployed a multi-tier architecture using VPC peering, EC2 instances, ALB, and Auto Scaling for high availability.
 - Configured Amazon RDS with snapshot, replication, encryption, and IAM authentication for secure access.
 - Set up CloudWatch monitoring and IAM roles for secure EC2-to-RDS communication.
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