

Ankit Kumar

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Summary — DevOps and Cloud Computing Practitioner with experience in managing cloud infrastructure, automation, and CI/CD pipelines. Strong problem-solver with a background in Linux administration and containerization. Proven leadership skills through roles such as GDSC Lead and founder of a tech community, driving innovation and collaboration.

Skills

- **Cloud Providers:** AWS, Google Cloud, OpenStack
- **Languages:** Python, Bash, C++
- **Operating Systems:** Ubuntu, Red Hat, Windows
- **Containerization:** Docker, Kubernetes
- **Version Control:** Git, GitHub
- **CI/CD Tools:** GitHub Actions, ArgoCD
- **Infrastructure as Code (IaC):** Terraform
- **Automation:** Ansible
- **Monitoring :** Prometheus and Grafana

Experience

Edunet Foundation

July 2024 – August 2024

Cloud Intern

- **Industry Training and Project Execution:** Participated in a remote internship with the Gift-A-Career Foundation, attending industry training sessions and working on assigned projects.
- **Practical Experience and Skill Acquisition:** Gained hands-on experience and skills in IT and management consulting services, adhering to company policies and procedures.

Cloud Counselage Pvt. Ltd.

June 2024 – July 2024

Cloud Intern

- Attended industry training sessions and worked on assigned projects to gain an overall understanding of the selected domain. Completed training and project work, adhering to company policies and procedures.
- Acquired practical experience and skills applicable to IT and management consulting services.

LinuxWorld Informatics Pvt. Ltd.

June 2023 – August 2023

Cloud Computing Intern

- Designed and implemented user-friendly cloud infrastructure environment to support business goals, utilizing technologies including AWS, Docker, Linux and Networking.
- Learn Various AWS Services and their industry level use case along with Implementations.
- In the Internship I've created a project including the AWS services including : AWS LEX, AWS COGNITO, AWS DynamoDB, etc. to create a bot service in food ordering website.

Education

IEC College of Engineering and Technology

August 2022 – present

Bachelor of Technology in Computer Science

G.B Pant Institute of Technology

August 2019 – April 2022

Diploma in Production Engineering

Projects

PreProdSync: A Kubernetes Solution for DevOps Integration and Testing

- **Description:** Developed a Kubernetes-based solution for integrating and testing features in a CI/CD pipeline, enabling streamlined development and deployment processes.
- **Technologies Used:** Kubernetes, Docker, GitHub Actions, ArgoCD, Node.js, React, PostgreSQL.
- **Key Responsibilities:** Designed the architecture, implemented CI/CD workflows, and managed container orchestration using Kubernetes.
- **Outcome:** Successfully reduced deployment time by 30% and improved feature testing efficiency.

Two-Tier Architecture Deployment using Terraform

- **Description:** Deployed a two-tier architecture on AWS using Terraform to create a modular and scalable infrastructure.
- **Technologies Used:** AWS, Terraform, VPC, EC2, Security Groups, IAM.
- **Key Responsibilities:** Configured VPC, subnets, route tables, and gateways; provisioned EC2 instances for web and application layers; implemented security groups and IAM roles.
- **Outcome:** Gained hands-on experience in Infrastructure as Code (IaC) and AWS cloud services, ensuring high availability and security.

Portfolio Deployment Using GitHub Actions and ArgoCD

- **Description:** Deployed a personal portfolio website using GitHub Actions for CI/CD and ArgoCD for GitOps management.
- **Technologies Used:** GitHub Actions, ArgoCD, AWS S3, HTML, CSS.
- **Key Responsibilities:** Configured CI/CD workflows in GitHub Actions and set up ArgoCD for continuous deployment.
- **Outcome:** Streamlined the deployment process, ensuring automatic updates to the portfolio with each commit.

EC2 Timekeeper: Automating Server Instances for Company Hours

- **Description:** Harnesses serverless technology to automate EC2 instance scheduling based on company working hours, eliminating manual management.
- **Technologies Used:** Aws, Python
- **Key Responsibilities:** Optimizes resource utilization by starting and stopping instances as needed, saving costs and boosting efficiency. Provides email notifications for instance start and stop events, keeping you informed and in control.

Certifications

- **Cloud Computing - Certificate Workshop (2024)** - Cloud Counselsage Pvt. Ltd.
 - Demonstrated proficiency in cloud infrastructure, services, and best practices. Gained hands-on experience with cloud technologies and architecture.
- **Google Cloud Digital Leader Training Specialization (2023)** - Coursera
 - Comprehensive understanding of Google Cloud Platform (GCP) services, architecture, and best practices. Equipped to design, deploy, and manage cloud-based solutions efficiently.
- **AWS Cloud Computing Intern (2023)** - LinuxWorld Informatics Pvt. Ltd.
 - Certified in managing and navigating AWS Cloud Computing for scalable solutions, seamless deployments, and optimal performance.

Involvement

Google Developer Groups (GDG) IEC College

Sep 2024 – Present

GDG on Campus Lead

- Led IEC College's first GDG chapter, organizing workshops and events like Google's Gen AI Study Jam and GDG Solution's Challenge and many more.
- Organised sessions on cloud computing, AI, and open-source tech, building partnerships to drive engagement.
- Managed a volunteer team for smooth execution and high participation.

Abhiyantrik

Jan 2024 – present

Founder

- Established a tech community that partners with educational institutions to promote STEM education.
- Organized workshops and events to encourage learning and inclusivity in tech.
- Led diversity initiatives and mentored students in STEM.
- Managed social media and content to boost community engagement.

Contributor - Medium

June 2022 - Present

- As a Technical Content Writer, I produce in-depth articles on cloud computing, DevOps, and emerging technologies like containerization and serverless architectures.
- I research the latest trends and tools to ensure the content is insightful for both beginners and professionals.
- My focus is on creating practical, step-by-step guides, use cases, and project-based tutorials to help readers implement these solutions in real-world scenarios.

NCC Cadet-(G. B. Pant Institute of Technology, 4 Delhi Battalion,)

August 2020 – May 2022

- **Leadership:** Commanded my college in Independence Day and other camps, following the motto "Unity & Discipline."
- **Skills Developed:** Built leadership, teamwork, and coordination skills while leading a platoon of 60 cadets.
- **Achievements:** Achieved a 100% pass rate and top unit recognition in regional evaluations.