

# Aman Kant Mahto

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LinkedIn | GitHub

## PROFESSIONAL SUMMARY

**Cloud & DevOps enthusiast** with hands-on experience in **AWS, Linux, Git, Kubernetes, and automation scripting** through internships and self-learning projects. Experienced in **cloud resource monitoring, configuration support, access management, documentation, and troubleshooting**. Familiar with **CI/CD workflows, GitOps practices, SOP-driven operations, and cloud support processes**. Motivated learner with strong communication skills, eager to contribute to a **Cloud/DevOps Support team**.

## Technical Skills

- **Cloud:** AWS (EC2, S3, IAM, VPC, CloudWatch, RDS, EKS)
- **DevOps & Cloud-Native:** Docker, Kubernetes, Jenkins, ArgoCD, Terraform, Ansible
- **Monitoring & Observability:** Prometheus, Grafana
- **Operating Systems:** Linux (user management, permissions, networking fundamentals)
- **Scripting & Version Control:** Bash, Python, Git, GitHub
- **Operations:** Monitoring dashboards, documentation, troubleshooting, SOPs

## PROJECTS & INTERNSHIP EXPERIENCE

### AWS EC2 Docker Automation Script (Bash)

- Developed a menu-driven Bash script to automate Docker container operations on AWS EC2.
- Improved troubleshooting efficiency on Linux servers and reduced manual operational effort.
- Streamlined container lifecycle management to enhance system reliability.

### AWS Cloud Infrastructure Provisioning using Terraform

- Automated provisioning of AWS VPC, subnets, internet gateway, and route tables using Terraform.
- Ensured consistent and reproducible infrastructure setups for testing and support scenarios.
- Simplified infrastructure validation and troubleshooting during configuration changes.

### End-to-End GitOps & Service Mesh on AWS EKS

- Deployed a Kubernetes cluster on AWS EKS to host a multi-service microservices application.
- Implemented GitOps-based deployment automation using ArgoCD to manage application releases and updates.
- Integrated Istio with Prometheus, Grafana, and Kiali for traffic management, monitoring, and observability.

### CI/CD Pipeline for Static Website using Jenkins, Docker, and EC2

- Built an end-to-end CI/CD pipeline to automatically build, test, push, and deploy a static HTML website on AWS EC2 using Docker.
- Automated Docker image creation, testing, and deployment to ensure reliability and reduce manual effort.
- Implemented Jenkins stages with Docker Hub integration for containerized application delivery.

### DevOps Intern – LinuxWorld Informatics Pvt. Ltd., Jaipur (Jul 2023 – Aug 2023)

- Deployed web applications on AWS EC2, configured security groups, and monitored cloud resources.
- Assisted in troubleshooting issues, documenting procedures, and following automation workflows.
- Gained practical exposure to AWS, Linux, Docker, Kubernetes, Jenkins, Terraform, and Bash scripting.

## EDUCATION

**Dr. Shyama Prasad Mukherjee University, BCA**

Aug 2021 – Aug 2024

- Percentage: 78.61%

**Chandigarh University, MCA**

Aug 2024 – Aug 2026

- CGPA: 9.0/10.0