# Amit Giri

**Linkedin:** amit-giri | **Email:** amit101giri@gmail.com

## EDUCATION

**Tribhuvan University,** Patan Multiple Campus
*Bachelors of Science, Computer Science and Information Technology*                    *2022 - present*

## TECHNICAL SKILLS

**Linux & System Administration:** Linux server setup, system monitoring & performance tuning, services management, user & group management, file system permissions, process & log management, backup & disaster recovery strategies

**Networking:** TCP/IP fundamentals, DNS, DHCP, SSH, firewall configuration, routing concepts, subnets & CIDR, load balancing basics, network troubleshooting

**Cloud & Infrastructure:** AWS (Certified Solutions Architect – Associate), EC2, VPC, S3, EBS, RDS, Auto Scaling, ELB, CloudFormation, Lambda, CloudWatch

**Automation & Scripting:** Bash scripting, Python scripting for task automation, cron jobs, system automation tools

**DevOps & Tools:** Docker, Git & GitHub,  GitHub Actions

## EXPERIENCES

**DevOps Apprentice | Tekbay Academy | Lalitpur, Nepal**                    **November 2025 - Present**
- Administered Linux servers by managing users, groups, permissions, services, system updates, and security hardening.
- Monitored system performance, identified bottlenecks using logs and metrics, and applied optimization techniques to improve stability and efficiency.
  Automated routine system operations with Bash and Python scripts, including backups, log rotation, service checks, and deployment tasks.
- Managed and maintained virtualized environments using Oracle VirtualBox, including VM setup, networking, snapshots, and resource allocation.
- Implemented containerized environments using Docker and built CI/CD pipelines with Jenkins, GitHub Actions, and AWS CloudFormation for automated deployments and infrastructure management.

**AWS Cloud Apprentice | Adex International | Lalitpur, Nepal**                    **July 2025 - September 225**
- Designed and deployed secure AWS environments with EC2, RDS, and VPC networks including subnets, NAT Gateway, and access controls.
- Configured automated backups, disaster recovery strategies, and system monitoring using CloudWatch.
- Hosted and managed production-ready static websites on S3 with versioning and Cross-Region Replication (CRR).
- Applied Linux knowledge to manage EC2 instances, services, and system security in cloud environments.

## PROJECTS

**AWS Cloud Architecting Capstone (AWS Academy)** | Documentation
- Designed and deployed a highly available, secure AWS web application stack featuring RDS with Secrets Manager, Auto Scaling behind an ALB, and a VPC with public/private subnets and NAT Gateway, fully

documented with architecture diagrams.

**Static Website with S3 Disaster Recovery** | [Documentation](#) | [Video](#)
- Hosted a production-grade static website on S3 with versioning, lifecycle policies for cost optimization, and Cross-Region Replication (CRR) for disaster recovery.

**Retrieval-Augmented Generation (RAG) Pipeline** | [Documentation](#) | [Video](#) | [Source code](#)
- Developed a context-aware LLM augmentation system with a FAISS vector store retriever, Gemini Flash generator, and an end-to-end RAG pipeline.

## CERTIFICATIONS

**AWS Certified Solutions  Architect  Associate -** *AWS* | [Credential ID: 017b2ca2ad1e4179aa11dccc085c59f2](#)
**Docker Basics for DevOps -** *Coursera* | [Credential ID: IIGEEN5W93NA](#)
**DevOps Prerequisites Course -** *Coursera* | [Credential ID: NN35I46XXGYE](#)
**Jenkins For Beginners -** *Coursera* | [Credential ID: 2DYY3M5SBL7Y](#)
**AWS Certified Developer Associate  -** *Coursera* | [Credential ID: 0YBYV6Y6NIXE](#)