

# BISHAL RANJITKAR

DevOps Engineer | AWS Certified Solution Architect

Kathmandu, Nepal | +977 9812241818 | [bishalranjitoofficial@gmail.com](mailto:bishalranjitoofficial@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## TRAINING & CERTIFICATIONS

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- **[AWS Solutions Architect Associate](#)**: Gained in-depth knowledge of AWS core services such as EC2, S3, RDS, IAM, and VPC. Learned to design and deploy scalable, highly available, and fault-tolerant systems on AWS.
- **[AWS Advanced Testing Practices Certificate](#)**: Skilled in CI/CD testing, static code analysis, and deployment strategies using AWS CodePipeline, CodeBuild, CodeDeploy, and Lambda.
- **[AWS Cloud Technical Essentials](#)**: Gained foundational knowledge of AWS core services (EC2, S3, RDS, DynamoDB, IAM, Lambda, ECS) with focus on cloud security, compute, storage, and database solutions.
- **[Google Cloud Cybersecurity Certificate](#)**: Learned to secure cloud environments using Google Cloud technologies. Covered Compute Engine, IAM, Cloud Firewall rules, and best practices in cloud security.

## TECHNICAL SKILLS

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- **Cloud Platforms**: Amazon Web Services (AWS)
- **DevOps Tools**: Jenkins, Docker, Terraform, Git, GitHub
- **Scripting & Automation**: Bash Scripting
- **Concepts**: IAM, VPC, EC2, RDS, Load Balancer, Auto Scaling, CI/CD, Networking & Security
- **Monitoring**: CloudWatch
- **Operating Systems**: Linux (preferred), Windows, macOS

## PROFESSIONAL EXPERIENCE

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### ADEX INTERNATIONAL PVT.LTD

#### Cloud Apprentice

Ekantakuna, Lalitpur, Nepal

July 2025 – August 2025

- Completed an 8-week hands-on AWS Cloud Apprenticeship.
- Worked on real-world AWS services (EC2, S3, RDS, IAM, VPC).
- Received mentorship from industry experts and built scalable cloud solutions.
- Prepared for the AWS Solutions Architect Associate exam through labs and projects.

## PRATICAL PROJECTS

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- **[CI/CD Pipeline with Jenkins, Docker & AWS EC2](#)**: Built an automated CI/CD pipeline using Jenkins for a Node.js static site. Integrated GitHub for source control, Docker for containerization, and AWS EC2 for cloud hosting. Configured Jenkins pipeline stages for code cloning, image building, and deployment via Docker Compose.
- **[Three-Tier Web Architecture on AWS](#)**: Deployed a scalable and fault-tolerant setup with VPC, public/private subnets, ALB, and ASG. Used Multi-AZ RDS in private subnet and IAM roles for secure access.
- **[Django App Deployment with Bash Scripting and AWS EC2](#)**: Deployed and automated a Django app on AWS EC2 using Bash scripting, Docker, and Nginx to practice cloud deployment and automation.
- **[Terraform AWS Project](#)**: Created a VPC with public and private subnets, launched EC2 instances, configured internet gateway and route tables, and set up security groups using Terraform for automated provisioning.
- **[Building and Deploying Containers Using AWS ECS](#)**: This project demonstrates the use of Amazon Elastic Container Service to host a simple multi-component web application composed of a website with two supporting API services. The website displays a form where you compose a story with placeholders for nouns, verbs and adjectives.

## EDUCATION

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### TRIBHUVAN UNIVERSITY

Bachelor of Computer Applications (BCA)

Cumulative GPA: 3.40/4.0

Elective: Information Security, Multimedia, E Governance

Relevant Coursework: Cloud Computing, Computer Networks, Software Engineering