# Nishant Tiwari

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## Professional Summary:

Dynamic Cloud | DevOps | Site Reliability Engineering professional with 3 years of hands-on experience driving cloud adoption, automation, security, and resilience for mission-critical workloads. Expert in architecting, deploying, and optimizing solutions on Google Cloud Platform (GCP) and Amazon Web Services (AWS). Proven leader in disaster recovery, infrastructure automation, and large-scale performance optimization. Consistently recognized for innovation, technical excellence, and driving measurable business impact.

## Key Achievements

- **Reliability Leader:** Designed and led DR (Disaster Recovery) implementation for 20+ critical applications, ensuring seamless failover and uninterrupted operations.
- **Cost Optimization:** Reduced cloud spend by 30% by implementing AIOps-driven Kubernetes optimizations.
- **Automation:** Automated key operational processes, reducing manual effort by 60% and boosting system reliability.
- **Data Migration:** Successfully migrated 3TB+ of application data from NAS to secure cloud storage using Rclone, minimizing downtime and preserving data integrity.
- **Award Winner:** Honored with consecutive Spot Awards (2023–2025) and Applause Award (2024) for outstanding contributions and proactive resolution of mission-critical incidents.

## Core Competencies

- Cloud Platforms: GCP (GKE, Compute Engine, Cloud Storage, VPCs), AWS (EC2, S3, IAM, Lambda, CloudFront, CloudWatch)
- Automation & Scripting: Shell/Bash, Python
- Infrastructure as Code: Terraform
- Containers & Orchestration: Kubernetes (On-Prem, GKE, EKS), Docker
- Security: SSL/TLS, security hardening, vulnerability management
- Monitoring & Observability: AIOps, Prometheus, Grafana, ELK
- DevOps Toolchain: Jenkins, Ansible, Git, ServiceNow, Jira
- Web & Application Servers: Nginx, Apache, Tomcat, CrushFTP
- Protocols: TCP/IP, HTTP, FTP/S, SFTP, FTPS, TELNET
- Operating Systems: Linux (RHEL), Windows Server, Unix

## Professional Experience

### Deloitte USI

*Analyst*
Jan 2022 – Present

- Lead Cloud & DevOps initiatives, supporting containerized, on-premises, and multi-cloud application stacks.
- Orchestrated large-scale infrastructure deployments, high-availability setups, and disaster recovery solutions across business-critical applications.
- Automated routine maintenance, patching, and operational workflows using custom scripts and CI/CD pipelines—cutting manual workload by more than half.

- Pioneered cloud and security best practices, proactively identifying and resolving vulnerabilities (70% risk reduction).
- Set up and tuned performance monitoring for 220+ enterprise servers, leveraging AIOps, Prometheus, Grafana, and custom Linux scripts.
- Led production go-lives, ensuring smooth handover, prompt incident resolution, and minimal impact to stakeholders.
- Successfully migrated and modernized legacy microservices to GCP Kubernetes clusters, managing persistent volumes, secrets, and configurations.
- Drove root cause analysis (RCA) and corrective actions for major incidents, ensuring compliance with SLAs and SLOs.

## Internships:

- **Apna**
- **Solverlancer**

## Certifications & Skills Badges

- 25+ Google Cloud Skill Badges (Cloud Engineering, DevOps Workflows, GCP Kubernetes, Scaling Infrastructure, SRE, Monitoring, and more)

## Awards & Recognition

- **Spot Award (2023, 2024, 2025):** For outstanding management of on-premises applications and change leadership.
- **Applause Award (2024):** For critical migration and cluster management achievements.
- **Understanding Award (2025):** For promoting innovation and ideation, leading to measurable project improvements.

## Education

**MBA (Finance) — Last Semester** (2023–2025)
**Bachelor of Science (Computer Science)** | CGPA: 9.4
**HSC (Math)** | 71%
**SSC (Science)** | CGPA: 9.2

## Interpersonal & Leadership Skills

- Stakeholder Management
- Performance Tuning
- Root Cause Analysis
- Communication & Collaboration
- Troubleshooting and Incident Response
- Application Monitoring and Optimization