

Aditya Sharma

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Experience

Associate Cloud Engineer, AMNEX Infotechnologies Pvt. Ltd.

Feb 2026 – Present

GCP, Azure, Kubernetes (AKS/GKE), Grafana, Prometheus, GitLab CI, Jenkins, Ansible

- Administered Linux VM infrastructure on GCP and Azure across 4 production environments, maintaining 24x7 hosting reliability; managed SFTP/SSH hardening with chroot isolation and key-based auth.
- Deployed and maintained a Docker-based Grafana + Prometheus observability stack with persistent volumes and SMTP alerting, integrated with GCP Cloud Monitoring; authored Python/Shell scripts automating SLA-tracked uptime reporting across GKE, VMs, and Cloud SQL.
- Troubleshooted Kubernetes and cloud infrastructure failures on AKS in production – Azure Files CIFS mount errors, NSG misconfigurations, CSI driver failures, PVC degradation – via kubectrl debug, dmesg, and storage account audits, restoring availability with zero data loss.
- Maintained GitLab CE and Jenkins CI/CD pipelines covering backup verification, mail delivery tracing, and cron-based automation; standardized Ansible inventories across multi-VM environments.
- Implemented VPC traffic segmentation, service account scoping, and NSG/firewall rule authoring aligned with GCP and Azure security best practices.
- Built a full-stack real-time fleet monitoring platform (FastAPI, PostgreSQL/PostGIS, Docker, React/MapLibre GL) delivering live telemetry for field-deployed devices.

Cloud Computing Intern, AMNEX Infotechnologies Pvt. Ltd.

Jul 2025 – Nov 2025

Cloud Networking, Bash, Automation

- Redesigned cloud network architectures for internal projects, achieving up to 40% faster packet delivery.
- Built an automated shell script for cross-server backup validation across 10+ production servers via secure IP-based logins, and a QR-based automation system cutting manual effort by 80% for 500+ users.

AWS Freelance Hire, CloudStake (Remote)

Dec 2024 – Jan 2025

AWS EC2, AWS RDS, MongoDB

- Deployed and optimized 3 production-grade web apps on AWS EC2, improving deployment speed by 30% through automation; managed backend storage on AWS RDS and MongoDB at 99.9% uptime across 500K+ records.

Technical Skills

- Cloud Platforms:** GCP (GKE, Cloud SQL, Cloud Monitoring), Azure (AKS, NSG, Azure Files, CSI Drivers), AWS (EC2, RDS, Lambda, S3, DynamoDB, CloudWatch)
- DevOps & CI/CD:** Docker, Kubernetes (AKS/GKE), GitLab CI, Jenkins, Ansible, cron-based automation
- Monitoring & Observability:** Grafana, Prometheus, GCP Cloud Monitoring, AWS CloudWatch
- Linux & Networking:** User/access management, SFTP/SSH hardening, chroot, VPC design, NSG/firewall rules, service account scoping
- Databases:** PostgreSQL, PostGIS, MongoDB, DynamoDB
- Languages & Frameworks:** Python, Bash/Shell, SQL, JavaScript, C++ , Java, FastAPI, React.js, Node.js/Express

Projects

AWS Lex Chatbot AWS Lex, Lambda, CloudWatch

- Designed a hotel booking chatbot on AWS Lex and Lambda with CloudWatch monitoring, reducing booking time by 40% and error rates by 30%.

Project Spark Next.js, Node.js/Express, AWS DynamoDB

- Deployed a headless Node.js/Express backend on AWS with DynamoDB for context memory, achieving 99.9% uptime under load tests.

Achievements

- AWS Certified Cloud Practitioner; AWS Fundamentals Specialization (Coursera)
- 1st Place, IBF DAppathon, Delhi; Finalist (1600 teams), Rajasthan Police Hackathon 1.0, Jaipur

Education

Bennett University, BTech in Computer Science

Sept 2022 – May 2026

- CGPA: 8.8/10, Greater Noida, Delhi-NCR. Coursework: Computer Architecture, Computational Theory, Cloud Computing