

# NIPUN VATS

Cloud & Infrastructure Engineer — AWS — Kubernetes — Terraform

+91 9310196979 — nipunvats5@gmail.com — New Delhi, Delhi

Linkedin Profile — Github Profile — Portfolio Website

## Professional Summary

AWS Certified Solutions Architect with hands-on experience building and automating cloud infrastructure on AWS. Experienced in Kubernetes (EKS), Terraform-based Infrastructure as Code, and CI/CD pipeline implementation. Designed and deployed scalable cloud-native applications serving 5,000+ users with 99.9% uptime. Strong foundation in Linux systems, automation, and production-oriented cloud environments. Looking for an entry-level Cloud / Infrastructure / Platform Engineering role where I can contribute to scalable and reliable production systems.

## Education

### Gautam Buddha University

Integrated B.Tech-M.Tech in Computer Science

August 2020 - May 2025

Greater Noida, UP

### Kendriya Vidyalaya, AGCR Colony

Intermediate

April 2019 - March 2020

Delhi-110092

## Core Infrastructure Skills

- **Cloud Platforms:** AWS (EC2, EKS, VPC, IAM, S3, RDS, Lambda)
- **Networking:** VPC, Subnets, Security Groups, Load Balancers, DNS basics
- **Infrastructure as Code:** Terraform
- **Containerization:** Docker, Kubernetes
- **CI/CD:** Jenkins, GitHub Actions
- **Monitoring:** CloudWatch, Prometheus, Grafana
- **Operating Systems:** Linux (Ubuntu, RHEL) – Process management, systemd, networking, package management, log analysis
- **Scripting:** Bash, Python

## Experience

### DevOps Engineer Intern (Remote)

*HEX64 InfoSolutions Pvt. Ltd.*

Jan 2024 – Sep 2024

Noida, UP

- Implemented Terraform modules to provision and manage 15+ AWS resources including EC2, VPC, IAM, and S3
- Supported production AWS infrastructure serving 5,000+ daily users, maintaining 99.9% uptime
- Monitored Linux-based AWS instances using CloudWatch and assisted in incident troubleshooting and log analysis
- Implemented CI/CD pipelines using Jenkins and Docker, reducing deployment time by 60%
- Optimized utilization of AWS resources, reducing infrastructure cost by 35%
- Configured and hardened Linux servers with SSH key-based authentication, firewall rules, and user access controls

### Software Engineer Intern

*SSPL, DRDO*

Jul 2023 – Aug 2023

New Delhi

- Developed a SaaS website using Next.js and Prisma ORM, handling 1,000+ concurrent users with 40% faster page loads
- Architected RESTful backend API with 20+ endpoints, reducing response times by 50%

### Software Engineer Intern

*Motherson Group*

Jun 2023 - Jun 2023

Noida, UP

- Enhanced C++ applications achieving 45% performance improvement through algorithmic optimization
- Managed MSSQL databases with 100,000+ records, improving query execution time by 55%

## Projects

### Cloud Native Application Deployment in AWS EKS – GitHub

- Deployed a containerized 3-tier MERN application to Amazon EKS
- Configured Kubernetes deployments, services, ingress, and auto-scaling (HPA)
- Automated Docker image builds and ECR pushes using GitHub Actions
- Implemented monitoring using CloudWatch and Prometheus

### S3 Static Website Hosting with Terraform – GitHub

- Automated static website deployment on S3 using Terraform IaC with bucket creation and public access configuration
- Implemented declarative infrastructure management that enables reproducible deployments in all environments

### Automated CI/CD Pipeline for 2-Tier Flask Blog – GitHub

- Engineered CI/CD pipeline using Jenkins, Docker, and GitHub Webhooks for Flask app with MySQL on AWS EC2
- Containerized multi-service architecture using Docker Compose, enabling zero-downtime deployments
- Implemented automated build triggers that reduce the deployment time from 30+ minutes to less than 5 minutes

## Certifications & Achievements

- AWS Certified Solutions Architect – Associate
- Hacktoberfest 2023: Merged 6 pull requests to open-source projects
- Galactic Problem Solver, NASA Space Apps Challenge 2022