NIPUN VATS

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Linkedin Profile — Github Profile — Portfolio Website

Objective

DevOps-focused Computer Science graduate with hands-on experience in AWS, Kubernetes, and Infrastructure as Code. Proven ability to automate deployments, optimize cloud costs, and build scalable CI/CD pipelines. Seeking an entry-level DevOps or SRE role to contribute to reliable, high-availability systems.

Education

Gautam Buddha University   August 2020 - May 2025
Integrated B.Tech-M.Tech in Computer Science   Greater Noida, UP

Kendriya Vidyalaya, AGCR Colony   April 2019 - March 2020
Intermediate   Delhi-110092

Experience

DevOps Engineer Intern (Remote)   Jan 2024 – Sep 2024
HEX64 InfoSolutions Pvt. Ltd.   Noida, UP
- Architected IaC solutions using Terraform, automating 15+ AWS resources, and reducing configuration time by 75%
- Designed scalable cloud architectures on AWS serving 5,000+ daily users with 99.9% uptime
- Implemented CI/CD pipelines using Jenkins and Docker, reducing deployment time by 60%
- Optimized infrastructure costs by 35% through strategic resource allocation and automated scaling

Software Engineer Intern   Jul 2023 – Aug 2023
SSPL, DRDO   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%
- Integrated database optimization techniques resulting in a 65% improvement in query performance

Software Engineer Intern   Jun 2023 - Jun 2023
Motherson Group   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

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

Issue Tracker with Full CI/CD on AWS EKS – GitHub
- Built cloud-native 3-tier application (React, Node.js, MongoDB) with GitHub Actions deploying to Amazon EKS via ECR
- Orchestrated Kubernetes infrastructure with auto-scaling, load balancing, and automated Docker builds
- Automated Docker image builds and ECR pushes, reducing release cycles from days to minutes

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

Skills

DevOps: Docker, Kubernetes, Terraform, GitHub Actions, Jenkins
Cloud: AWS (EC2, EKS, ECR, S3, VPC), Observability(CloudWatch, Prometheus, Grafana)
Backend & Databases: Node.js, Express.js, MySQL, MongoDB
Programming: Python, C++, JavaScript
OS & Tools: Linux, Git, GitHub, Bash & Python Scripting

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

Languages

English – Fluent
Hindi – Native