Adhiraj Singh

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EDUCATION

Christ (Deemed to be University)   Delhi NCR, Uttar Pradesh
Bachelor in Computer Applications   *2021 – 2024*

EXPERIENCE

DevOps Engineer Intern   Aug 2025 – Sep 2025
Elevate Labs   *Bangalore, Karnataka*
  - Wrote CI/CD pipelines for **GitHub Actions** and **Jenkins**, and deployed Dockerized applications on **AWS** for scalable and reliable delivery.
  - Set up **Prometheus** and **Grafana** for monitoring and visualization, enabling proactive performance tracking and alerting.
  - Gained hands-on experience in troubleshooting, optimizing build pipelines, and collaborating on deployment processes.

DevOps Intern   Aug 2024 – Dec 2024
AVRITES   *Noida, Uttar Pradesh*
  - Along with 1 other member deployed websites on **Linux-based EC2 instances**, including setting up **SSL certificates**.
  - Helped monitor site performance and uptime using tools like **UptimeRobot** and **Google PageSpeed Insights**, and optimized them accordingly.
  - Wrote Bash scripts for routine automation and provisioning tasks.

PROJECTS

Video to Audio Microservice Application | *Python, Docker, Kubernetes, RabbitMQ, AWS*   GitHub
  - Developed microservice architecture on **AWS EKS** handling 100 daily transactions
  - Used **Docker** to containerize the microservices for seamless deployment.
  - Achieved 99.9% uptime through **Kubernetes** orchestration and containerization
  - Devised MongoDB and PostgreSQL databases with automatic connections using Helm.
  - Reduced processing time by 40% through **RabbitMQ** queue optimization.

Scalable Static Website Hosting & Auto-Deployment | *AWS S3, Cloudflare, GitHub Actions*   GitHub
  - Built and set up a static website on **AWS S3** with automated deployments using **GitHub Actions CI/CD**.
  - Integrated **Cloudflare CDN and SSL (HTTPS)** to improve performance, security, and global availability.
  - Configured **IAM roles, bucket policies, and AWS CLI** for secure and seamless deployment automation.

Deployed cloud native application on Kubernetes | *Docker, Kubernetes, AWS, Git, Linux*   GitHub
  - Established a three-tier voting application on **EKS**.
  - Provisioned a GoLang API to manage data and interact with **MongoDB.**
  - Implemented **Kubernetes** components: StatefulSets, Deployments, Services, and Persistent Volumes.
  - Set up MongoDB with replica sets for data persistence and reliability.
  - Configured Load Balancer for seamless service access.

TECHNICAL SKILLS

Languages: Python, Bash shell scripting
Cloud Tools: Git, Docker, Kubernetes, Linux, Jenkins, AWS, EKS, EC2, GitLab CI/CD, Prometheus, Grafana, VPC
Infrastructure as Code (IaC) tool: Terraform, CloudFormation

CERTIFICATIONS

IBM DevOps and Software Engineering by IBM   Certificate

AWS Certified Cloud Practitioner   Certificate