

NIKHIL CHAUHAN

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EXPERIENCE

Software Engineer (DevOps) Unacademy	Mar 2024 - present <i>Bengaluru, KN</i>
<ul style="list-style-type: none">Reduced AWS resource costs by 75% through strategic optimization(Right sizing, RIs, optimization etc.).Designed and containerized microservices using Docker, then deployed them on EKS through custom Helm charts to optimize scalability and operations.Scaled and maintained infrastructure using Karpenter to support 100,000+ users during peak traffic.Automated infrastructure provisioning using Terraform across multiple AWS environments.Integrated centralized logging with the EFK stack (Elasticsearch, Fluentbit, Kibana) for real-time log analysis.Managed data migration from Amazon RDS to Redshift using Data Migration Service (AWS DMS).Deployed and managed Apache Airflow for data pipelines; authored DAGs to automate ETL scripts.Implemented observability with SigNoz(OpenTelemetry), CloudWatch, and New Relic; optimized API performance using New Relic APM; integrated Zenduty for proactive alerting and incident response.Streamlined CI/CD flows using GitHub Actions and CodePipeline for faster and more reliable deployments.Implemented Role-Based Access Control (RBAC) to provide developers with principle-of-least-privilege access.Performing and troubleshooting production workloads on Linux servers, optimizing performance, networking, and system security.	

DevOps Engineer Samajh.AI	Apr 2023 - Mar 2024 <i>Noida, UP</i>
<ul style="list-style-type: none">Established an on-premise Kubernetes cluster on Linux using Kubespray, facilitating the deployment of a full-stack web application using Helm Charts.Monitoring: Implemented health monitoring of servers CPUs & GPUs using Grafana and Prometheus.Enhanced system stability and efficiency by automating configuration management through Ansible playbooks.Developed Flask APIs to seamlessly integrate ML/AI models for data-driven decision-making.Implemented a secure internal network using Pritunl VPN to safeguard data privacy.	

PROJECT

<ul style="list-style-type: none">Developed a web-based chatbot using TensorFlow, Keras, and IBM Sentiment Analysis API to recommend songs based on user emotions.Built an end-to-end Kubeflow Pipeline for pre-processing, training, evaluation, and deployment with KServe, integrating MLflow for tracking and artifact management.

EDUCATION

Bachelor of Computer Science , Krishna Engineering College, AKTU	2020-2023
Diploma of Information Technology , IIT Dwarka	2017 - 2020

SKILLS

Cloud Platforms & Servers	AWS, Azure, GCP, Linux
CI/CD & Automation	GitHub Actions, CodePipeline, Ansible, Terraform, Apache Airflow
Containerization	Kubernetes (EKS), Docker, ECS, Helm, Karpenter, KServe, Kubeflow
Monitoring & Observability	Grafana, Prometheus, EFK Stack , New Relic, SigNoz, CloudWatch, Zenduty
Programming & DB	Python, MongoDB, MySQL, PostgreSQL, Redis