NIKHIL CHAUHAN

8373965180 ⋄ Delhi, IN

nikhilchauhan2611@gmail.com ⋄ linkedin.com/nikhil ⋄ [Blogs]()

EXPERIENCE

Software Engineer — Mar 2024 - present
Unacademy — *Bengaluru, KN*

- Worked on tools and technologies like **AWS**, ECS, DocumentDB, RDS, Cloudwatch, **Zenduty**, **New Relic** etc.
- Reduced the cost of AWS resources by half by optimizing them.
- Implemented Cloudwatch and NewRelic alerts for APIs and resource monitoring.
- Implemented Zenduty on call for all the crucial alerts.

DevOps Engineer — Apr 2023 - Mar 2024
Samajh.AI — *Noida, UP*

- Worked on tools and technologies like **Kubernetes, Helm, Ansible, Grafana, Tensorflow, Keras, CNN, Jenkins, Python, Azure ML**, etc.
- Established an on-premise **Kubernetes** cluster 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.

DevOps Intern — Feb 2023 - Mar 2023
Mobifly — *Gurugram, HR*

- Gained hands-on experience with the production environment's **CI/CD** process, contributing to a deeper understanding of DevOps principles.
- Developed **Shell scripts** to automate and streamline the auditing process, improving efficiency and accuracy in compliance tasks.

EDUCATION

Bachelor of Computer Science, Krishna Engineering College, AKTU (7 CGPA) — 2020-2023
Diploma of Information Technology, IIT Dwarka (65%) — 2017 - 2020

PROJECTS

A MERN app deployed on Kubernetes [(Github)]()

- Successfully deployed a full-stack MERN (MongoDB, Express.js, React, Node.js) web application on a **Kubernetes** cluster. Leveraged **Minikube** for cluster creation, ensuring scalability and reliability.

Song Recommendation by emotions [(Github)]()

- Developed a web-based chatbot application for recommending songs based on user emotions.
- Utilized **TensorFlow and Keras** to build the chatbot and a mood analysis model.
- Implemented mood analysis using the IBM Sentiment Analysis API for accurate emotion detection.

CI/CD using AWS [(Github)]()

- Established an automated CI/CD pipeline using **Jenkins, Nexus, Sonarqube, Slack, Amazon ECR (Elastic Container Registry), Amazon ECS (Elastic Container Service), Amazon EC2**, and other tools

SKILLS

Technical Skills	Kubernetes, Tensorflow, ANN, CNN, DL, Docker, Python, Terraform, Keras, MLOps
Tools	Ansible, Jenkins, Grafana, Loki, Prometheus, Helm, New Relic
Database	MongoDB(Aggregation Query, Sharding), SQL, Redis

ACHIEVEMENTS

- Succeeded as the second runner-up in the college's internal Hackathon, showcasing strong problem-solving and teamwork abilities. Eco Friendly Packaging Product