



# Aakash Chauhan

Bachelor of Technology  
Industrial Internet of things  
Guru Gobind Singh Indraprastha University EDC  
Delhi  
Enrollment No: 03419011721

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## EDUCATION

- **Bachelor of Technology in Industrial Internet of Things** 2021 – 2025  
*University School of Automation and Robotics, Surajmal Vihar, New Delhi* CGPA: 8.57
- **Senior Secondary (12th Grade)** 2021  
*Adarsh Public School, New Delhi* Percentage: 89.2
- **Secondary (10th Grade)** 2019  
*Adarsh Public School, New Delhi* Percentage: 94.6

## PERSONAL PROJECTS

- **Cloud-Native DevOps Pipeline for OpenTelemetry Demo**  
*DevOpsified a multi-language microservices project with full CI/CD, container orchestration, and cloud deployment.*
  - Containerized services and Provisioned Infra using Terraform
  - Deployed services to Kubernetes with Ingress and controller setup.
  - Implemented CI/CD using GitHub Actions and GitOps with Argo CD.
  - Technologies Used: Docker, Terraform, AWS, EKS, GitHub Actions, Argo CD, Kubernetes.
  - Project Repository: Cloud-Native DevOps Pipeline for OpenTelemetry Demo
- **CI/CD Pipeline Implementation**  
*Implemented a CI/CD pipeline using Jenkins for a note-taking app, automating build, test, and deployment processes.*
  - Configured Docker to build container images and pushed them to Docker Hub.
  - Set up Jenkins to trigger builds from GitHub commits, automating testing and deployment.
  - Technologies Used: Jenkins, Docker, Docker Hub, Kubernetes, Helm, ArgoCD
  - Project Repository: CI/CD Pipeline Implementation
- **AWS EKS with ALB Configuration**  
*Deployed an application on Amazon EKS, configured an Application Load Balancer (ALB) to enable external access.*
  - Provisioned an Amazon EKS cluster for scalable deployment of the app on Kubernetes.
  - Configured an Application Load Balancer (ALB) to expose the app to the internet with external access.
  - Technologies Used: Amazon EKS, Docker, Kubernetes, AWS ALB
  - Project Repository: AWS EKS with ALB

## EXPERIENCE

- **Guru Gobind Singh Indraprastha University** January - May 2025  
*Research Intern* Delhi
  - Developed an AI-powered chatbot for a coffee shop customer service scenario using LLaMA LLM hosted on RunPod.
  - Designed conversational workflows to manage menu queries, order assistance, and FAQs.
  - Gained practical experience in prompt engineering, API integration, and applied artificial intelligence.
- **CSRBox** July - August 2024  
*Summer Intern* Remote
  - Gained hands-on experience in AI and machine learning through IBM's SkillsBuild platform.
  - Explored the implications of AI ethics, including bias mitigation, fairness and transparency in AI systems.
  - Leveraged IBM Watson Studio, IBM Cloud, and other AI tools to develop and deploy AI tools like ChatBot.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, Golang, HTML, CSS

**Frameworks & Libraries:** React.js, Tailwind CSS

**DevOps & Cloud Tools:** Docker, Kubernetes, Helm, Ansible, Terraform, Jira, Jenkins, AWS, Argo CD

**Observability:** Prometheus, Grafana, Jaeger, EFK Stack (Elasticsearch, Fluentd, Kibana)

**Version Control:** Git, GitHub

**Databases:** MySQL, PostgreSQL, Firebase

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, OOPs, DBMS, Software Engineering

**Interests:** Backend Development, Cloud, DevOps, Observability, Web Technologies

## ACHIEVEMENTS & CERTIFICATIONS

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- HashiCorp Certified: Terraform Associate (003)
- AWS Certified Cloud Practitioner (CLF-C02)
- First Place in Interschool Web Design Competition
- Class Topper in 9th grade