

Aaditya Saxena
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EDUCATION

Vellore Institute of Technology, Bhopal	2023 – 2027
Bachelor of Technology in Computer Science and Engineering (Cloud Computing)	CGPA: 8.08/10
Bal Vikas Progressive School, Panipat (XII)	2022
Percentage: 75.6%	
Bal Vikas Progressive School, Panipat (X)	2020
Percentage: 77.4%	

TECHNICAL SKILLS AND CERTIFICATIONS

- **Languages:** Java, Python, JavaScript, HTML+CSS, SQL
- **Frameworks/Technologies:** Node.js, Bootstrap, React.js, TRPC
- **DevOps/Cloud:** AWS, Oracle, Azure, Docker, Kubernetes, Jenkins, Terraform, prometheus, grafana
- **Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability, Leadership, Teamwork
- **Certifications:**
 - AWS Certified Cloud Practitioner - AWS
 - Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
 - Docker Foundations Professional Certificate – Docker

PERSONAL PROJECTS

MeetMind AI — AI-Powered Meeting Intelligence Platform

- Architected and deployed a **production-grade serverless AI meeting intelligence platform** on **AWS** using **Lambda, API Gateway, S3, DynamoDB, and Terraform (IaC)**.
- Integrated **Amazon Bedrock (Meta Llama 3 8B)** to automate transcript summarization, action item extraction, and sentiment analysis with structured JSON outputs.
- Designed an **event-driven architecture** using **S3 triggers + Lambda** for asynchronous background processing of large meeting transcripts.
- Implemented secure **pre-signed S3 upload workflow** with CORS configuration, enabling direct client uploads without exposing AWS credentials.
- Built RESTful endpoints with **API Gateway + Lambda** for transcript ingestion and real-time status polling.
- Developed a **Next.js + TypeScript frontend** with dynamic UI updates.
- Automated complete infrastructure provisioning using **Terraform**, eliminating manual console configuration and ensuring reproducible deployments.
- Source Code

Kubeforge — Production-Grade CI/CD Platform with Blue-Green Deployment

- Designed and implemented an end-to-end **CI/CD platform** to automate build, test, and deployment of containerized applications.
- Provisioned cloud infrastructure on **AWS (EKS, VPC, IAM)** using **Terraform (Infrastructure as Code)**.
- Built **declarative Jenkins pipelines** to automate source checkout, Docker image builds, tagging, and Kubernetes deployments.
- Implemented a **Blue-Green deployment strategy** on **Kubernetes** to enable **zero-downtime releases** and instant rollback.
- Configured **Kubernetes Services and label selectors** for controlled traffic switching between application versions.
- Integrated **Prometheus and Grafana** for monitoring, metrics collection, and observability of cluster and application health.
- Designed the system with **cost-aware constraints**, validating workloads on a minimal EKS setup.
- Source Code: GitHub

POSITIONS OF RESPONSIBILITY

President – Cloud Zone Club, VIT Bhopal	Aug 2025 – Present
<ul style="list-style-type: none">• Leading a team of 40+ members in organizing technical events, hackathons, and workshops on cloud computing.• Mentored 15+ junior members in project collaboration and cloud architecture design.• Executed multiple workshops attended by 200+ students, increasing club engagement by 50%.	
Event Lead – International Conference on Data Computation and Communication (SCAI, VIT Bhopal)	
Oct 2024 – Nov 2024	

- Coordinated an international conference with **10+** **speakers** (national and international) and **300+** **attendees**.