

## EDUCATION

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

## 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

### Cloud Cost Intelligence Platform — AWS Serverless FinOps System

- Built a production-grade serverless cost monitoring platform on AWS using Lambda, DynamoDB, EventBridge, and Terraform (IaC).
- Automated daily AWS cost collection via AWS Cost Explorer API, enabling service-wise cost analysis and historical persistence.
- Designed a secure, read-only REST API using API Gateway + Lambda to expose cost data safely for consumption.
- Developed a React-based analytics dashboard with charts and filters to visualize daily cloud spending.
- Deployed the frontend using Amazon S3 + CloudFront (HTTPS) for scalable, low-latency global delivery.
- Implemented least-privilege IAM policies, CloudWatch logging, and SNS email alerts for FinOps governance and observability.
- Source Code: GitHub

### 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

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

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