MUKESH T

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Education

VIT Bhopal University   **October 2022 - April 2026**
Bachelor of Technology in Computer Science and Engineering (Cybersecurity & Digital Forensics)   *Bhopal, India*
CGPA: 8.51/10

Technical Skills

Cloud : AWS (EC2, VPC, ELB, Auto Scaling, CloudWatch, IAM), Azure
DevOps & Automation: Git, GitHub Actions, Jenkins, Argo CD, Octopus Deploy, Terraform (IaC), Chef
Containers & Orchestration: Docker, Kubernetes
Monitoring & Analytics: Prometheus, Grafana, ElasticSearch
Security: Vulnerability Assessment, Incident Response
Programming & OS: Python, Bash, PowerShell, SQL, HTML, CSS, Linux (Ubuntu, Kali), Windows

Experience

Technical Assistant Intern − Vityarti   **October 2023 - November 2023**

- Performed comprehensive QA audits across e-learning platforms, including end-to-end video quality checks for 100+ lessons, ensuring seamless content delivery and accessibility.
- Diagnosed and resolved critical performance bottlenecks, reducing playback errors by **15%** and improving overall user experience.
- Collaborated with the technical team to document over **150+ bug reports** and prioritized them based on severity; streamlined the development cycle and boosted release quality and customer satisfaction by **30%+**.

Projects

Comprehensive DevOps Workflow Automation (CI/CD, Kubernetes, Monitoring, RCA)
Jenkins, GitHub Actions, Docker, Kubernetes, GitOps, Grafana, Prometheus   **April 2025 - June 2025**

- Engineered end-to-end **CI/CD pipelines** with Jenkins + GitHub Actions, **reducing build/test time by 40%**.
- Automated infrastructure setup with Shell scripts + Docker Compose (**Jenkins,Nginx**), cutting manual config by 70%+.
- Deployed containerized apps on Kubernetes using GitOps, ensuring **99.9% consistency** across environments.
- Simulated production outage, conducted (**RCA**), and proposed fixes that **reduced downtime risk by 60%**.

Scalable Web Application Deployment on AWS Cloud
AWS VPC, EC2, IAM, ELB, Auto Scaling, CloudWatch   **October 2024 - December 2024**

- Architected a secure **AWS VPC with subnets, routing, gateways**, isolating workloads for compliance and scale.
- Implemented IAM roles/policies with **least privilege**, reducing security risks by **35%+**.
- Deployed EC2 instances behind Elastic Load Balancer + Auto Scaling, achieving **99.95% uptime with cost optimization**.
- Configured CloudWatch dashboards/alarms, enabling **proactive scaling and 24/7 performance monitoring**.

LiveStocX − Real World Asset Tokenization
BlockDAG, Solidity, Ethers.js, MetaMask, Smart Contracts   **July 2025 - August 2025**

- Developed blockchain marketplace to **tokenize cattle by-products**, enabling **fractional ownership + trading**.
- Designed smart contracts for automated profit sharing, ensuring **secure investor payouts with 100% transparency**.
- Leveraged BlockDAG for immutable transaction logging, **boosting trust and auditability by 50%+**.
- Integrated MetaMask login + role-based dashboards (Farmer, Investor, Admin), improving **user onboarding by 45%+**.

Achievements

- Secured **Top 25 position among 3,500+ teams** in aOS Buildathon 2025 by engineering a blockchain-based **RWA tokenization platform** on AndromedaOS using **smart contracts and DeFi**.
- Achieved **Top 100 position among 5,000+ teams** in BlockDAG Hackathon 2025 by developing a decentralized solution with **asset tokenization, stablecoin integration, and profit-sharing smart contracts**.
- Recognized as a **Guinness World Record Holder** for contributing to the largest watercolor mosaic (104,708 cups), demonstrating excellence in **collaboration, execution, and large-scale project management**.

Certifications & Badges

DevOps Course Certificate	2025
AWS Cloud Practitioner Essentials	2025
AWS Badges: Storage, Compute, Networking, Security, Databases, Cloud Operations, Serverless	2025