

Samriddhi Agrawal

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EDUCATION

Vellore Institute of Technology Bhopal, MP

October 2022–July 2025

B.Tech in Computer Science and Engineering with spec. in Cloud Computing & Automation - 8.64 CGPA

TECHNICAL SKILLS

Web Development: React, Next.js, Tailwind, Node.js, Express, Socket.io, JWT, MySQL, PostgreSQL, MongoDB, Prisma

DevOps & Infrastructure: Docker, Kubernetes, AWS, DigitalOcean, Nginx, GitHub Actions, Grafana, Prometheus

PROJECTS

Automated CI/CD Pipeline for Next.js

May 2025 - June 2025

Stack: CI/CD, Docker, AWS, GitHub Actions, Next.js, DevOps.

CI/CD Automation: Built a GitHub Actions pipeline for seamless testing/deployment of a Next.js app, reducing manual errors by 90%.

Infrastructure: Dockerized the app and deployed on AWS EC2 using Nginx for load balancing and HTTPS.

DevOps Practices: Implemented YAML-based workflows, automated rollback, and monitoring for zero-downtime updates.

Node.js DevOps Stack

June 2025 – July 2025

Stack: Node.js, Docker, AWS, CI/CD, GitHub Actions, DevOps

Full-Stack Deployment: Automated CI/CD pipeline for a Node.js + Express backend with React frontend using GitHub Actions and Docker.

Cloud Infrastructure: Deployed scalable microservices on AWS (EC2, ECS, or other) with Nginx reverse proxy and load balancing.

Monitoring & Logs: Integrated Prometheus/Grafana (or other tools) for real-time performance tracking and error logging.

Real-Time Whiteboard webapp

June 2025 - Ongoing

Real-Time Collaboration: Built a React + Node.js interactive whiteboard with WebSockets (Socket.io) for live multi-user editing.

Cloud-Native Deployment: Containerized using Docker and orchestrated with Kubernetes for auto-scaling and high availability.

CI/CD Pipeline: Automated testing/deployment via GitHub Actions with ArgoCD for GitOps-driven Kubernetes rollouts.

Tech Stack: React, Node.js, WebSockets, Docker, Kubernetes, CI/CD

ACHIEVEMENTS

- 1st Place in Ideathon'24 | Blockchain Club, VIT Bhopal
 - Secured top rank among 100+ teams for building a blockchain-based solution.
- Built ResuMate | VIT Resume Builder Web App
 - Developed a full-stack platform (React + Node.js + Firebase) for automated resume formatting in VIT's template.
 - Key features: One-click PDF export, real-time editing, and cloud save.

EXTRA CURRICULAR

Design Team Member | CloudZone Club, VIT Bhopal (2025–Present)

- Designed posters, ID cards, and promotional materials for club events using Figma/Adobe Suite.
- Contributed to the success of a tech event with 200+ participants, ensuring smooth branding and engagement.
- Collaborated with the core team to execute creative visuals that boosted event visibility.