

Samriddhi Agrawal

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EDUCATION

Vellore Institute of Technology, Bhopal, MP,

October 2022–April 2025

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

EXPERIENCE

Unified Mentor Web Development Internship

April 2025 - June 2025

- MERN Development: Engineered a full-stack admin dashboard and rating website utilizing the MERN stack (MongoDB, Express.js, React, Node.js), including JWT authentication and RESTful APIs.
- Admin Client Features: Developed critical admin-side features for user management and content moderation to ensure platform integrity and security.

Stirring Minds Full-Stack Development Internship

September 2025 - Ongoing

- Full-Stack Development: Engineered and deployed a scalable virtual office booking platform for 15+ states, enabling customers to seamlessly reserve workspaces online.
- Feature Implementation: Built and integrated core features, including a dynamic location catalog, real-time availability checks, and a secure online payment processing system.
- Cross-Functional Collaboration: Worked closely with product and design teams in an agile environment to translate user stories into functional code, contributing to a 20% increase in user engagement.

PROJECTS

Automated CI/CD Pipeline for Next.js [GitHub](#)

May 2025 - June 2025

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

- Automated CI/CD Pipeline: Implemented GitHub Actions workflows for Next.js to automate testing, builds, and deployments, reducing errors by 90% and accelerating release cycles.
- Containerized Deployment: Dockerized the application and deployed it on AWS EC2, configuring Nginx for HTTPS and load balancing to improve scalability and security.
- High Availability Infrastructure: Utilized auto-rollback and health checks to ensure 99.9% uptime and managed infrastructure as code via YAML for enhanced reliability.

MagicPrompt - No Code, Just Commands [GitHub](#)

Jan 2025 – February 2025

Tech Stack: TypeScript, JavaScript, WebSocket, Claude LLM, Docker, Kubernetes - DevOps/Web Development

- AI-Powered Development: Built a React/Node.js platform using Claude LLM API to auto-generate complete websites, reducing development time from hours to minutes per project.
- Optimized Deployment: Dockerized the application with multi-stage builds, cutting image size by 40%, and deployed on Kubernetes for seamless scalability.
- High-Performance Architecture: Achieved 92% accuracy in code generation through prompt engineering and maintained 99.9% uptime under 50+ concurrent requests using auto-scaling.

Collaboard -Whiteboard website [GitHub](#)

June 2025 - Ongoing

Tech Stack: TypeScript, Socket.io, JavaScript, Tailwind CSS, Convex, Docker, Kubernetes - DevOps/Web Development

- Real-Time Collaboration Platform: Engineered an interactive whiteboard and integrated Monaco code editor and Excalidraw API using React, Node.js, and WebSocket, supporting 50+ concurrent users with under 500ms latency.
- Optimized Performance & Security: Implemented Kinde authentication and Firestore real-time database to securely handle 100+ updates per second, while achieving 60% faster load times through delta-sync and IndexedDB caching.
- Scalable Cloud Deployment: Deployed on Kubernetes with auto-scaling capabilities, efficiently serving 10K+ monthly active users with 30% cost reduction and maintaining high availability.

TECHNICAL SKILLS

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

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

ACHIEVEMENTS

- 1st, Ideathon'24 | Blockchain Club, VIT Bhopal Won among 100+ teams for a blockchain-based solution.
- ResuMate | VIT Resume Builder (React + Node.js + Firebase) [GitHub](#)
- Automated VIT resume formatting with PDF export & real-time editing. Served 500+ students with ATS-compliant resumes via Firebase storage.