SAKSHI KALE

Pune, Maharashtra

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Education

MIT Academy of Engineering, Pune	**November 2021 - June 2025**

*Bachelor of Technology in Electronics and Telecommunication Engineering (CGPA of **8.73**)*

Dr. M.K.Umathe College, Nagpur	**July 2019 - August 2021**

*HSC (Percentage of **92**)*

Eklavya Madhyamik School, Jamner, Jalgaon	**July 2018 - April 2019**

*SSC (Percentage of **80.67**)*

Internship

Hirademy	**June 2024 – Sep 2024**
Software Engineer Intern	*Bangalore, India*

- Successfully containerized frontend and backend applications using **Docker**, creating two separate containers for each service, improving deployment efficiency and scalability.
- Created and managed a **3-node Kubernetes cluster** using **Minikube** to deploy different Docker containers for frontend, backend, and database services, enhancing resource allocation and scaling capabilities.
- Implemented robust **Authorization and Authentication** mechanisms for backend systems using **JWT (JSON Web Tokens)** and **role-based access control (RBAC)**, ensuring secure access to **APIs** and data.
- Designed and developed **RESTful APIs** for efficient communication between frontend and backend services.

Projects

Scalable CI/CD Pipeline for Streamify Application	**May 2024 – June 2024**
AWS, Terraform, Jenkins, Docker, Kubernetes	*Team size: 1*

- Developed a scalable CI/CD pipeline for a **Next.js** streaming application using **Jenkins** and **GitHub**, ensuring automatic testing, building, and deployment.
- Provisioned infrastructure using **Terraform** to manage AWS resources like **EC2** instances and **IAM roles**, enabling secure and consistent deployments.
- Integrated **SonarQube** for continuous code quality and security analysis, improving code reliability and detecting vulnerabilities early.
- Automated the deployment of the application to a **Kubernetes** cluster, ensuring high availability and scalability.
- Set up real-time monitoring using **Prometheus** and **Grafana** for tracking system performance and visualizing metrics.

Streamify | WebLink	**Nov 2023 – Jan 2024**
NextJs, MongoDB, Prisma	*Team size 2*

- I wrote **Next.js**, Tailwind CSS. I added Api's of **PostgreSQL** (Neon db), Ngrok, Live Kit, Clerk (for authentication). For video streaming I connected **Node.js with OBS**. This website is used for Live Streaming.

Profile Links

- GitHub
- Portfolio

Technical Skills

Languages: C++, SQL, NoSQL
Frameworks: ReactJS, NextJS
Cloud and Infrastructure: AWS, Terraform, Jenkins
Version Control and Containerization: Git, GitHub, Docker, Kubernetes
Operating System: Linux