Aryan Mehesare

Pune, Maharashtra, India

✉ Email 🌐 Website in LinkedIn GitHub HackerRank

Full-stack Developer | DevOps Engineer | Cloud & CI/CD Enthusiast

Overview

Versatile full-stack developer and DevOps engineer capable in building scalable, efficient applications. Proficient in leveraging CI/CD pipelines, Docker, Kubernetes to build cloud-native solutions.

Education

Vellore Institute of Technology	**Chennai, Tamil Nadu**
B. Tech in Computer Science and Engineering — 8.73 CGPA	*2023 – 2027*
The Bishops Co-Ed School	**Pune, Maharashtra**
High School — 98.5%	*2009 – 2023*

Projects

End-to-End CI/CD DevSecOps Pipeline — Source   2025
- Automated Jenkins pipeline for a JS + MongoDB app with dev auto-deploy and manual prod trigger.
- Integrated Snyk, Trivy, OWASP ZAP, SonarQube for security and code quality scans.
- GitOps with ArgoCD and MicroK8s; secured secrets using Bitnami Sealed Secrets.
- Slack alerts for real-time build and security notifications.
- **Tech Stack:** Jenkins, Docker, Kubernetes, ArgoCD, EC2, Gitea, Snyk, Trivy

Single Image Super Resolution — Source   2025
- Implemented SRCNN in PyTorch for single image super-resolution.
- Prepared DIV2K dataset with consistent HR/LR patches and scaling factors (×2, ×3, ×4).
- Evaluated models using PSNR and SSIM for performance benchmarking.
- Used MLflow for experiment tracking, model versioning, and performance comparison.
- **Tech Stack:** PyTorch, MLflow, Sagemaker AI Studio, S3

Omnipresence   2024
- Full-stack app integrated with SafeScape, featuring safe routing and geofencing.
- Deployed backend using Docker on AWS EC2 with secure Nginx reverse proxy.
- Integrated an ML model for emergency audio detection.
- **Tech Stack:** Next.js, Tailwind CSS, PostgreSQL, FastAPI, Docker, Nginx, EC2

SafeScape   2024
- Women's safety app capable of sending real-time alerts and managing users.
- Dashboard displaying safety statistics; Integrated an ML model for analysing real-time CCTV footage.
- **Tech Stack:** React.js, Tailwind CSS, Supabase, PostgreSQL

Technical Skills

Languages: Java, Python, C/C++, JavaScript, TypeScript, Bash
Web / Frameworks: React.js, Next.js, Node.js, Tailwind CSS, Hono, Drizzle
DevOps / Cloud: Docker, Kubernetes, Jenkins, GitLab CI, GitHub Actions, Terraform, Ansible, AWS, GCP, ArgoCD
Databases: MySQL, MongoDB, PostgreSQL, DynamoDB

Courses and Certifications

- Certified Kubernetes Application Developer (CKAD) — Mumshad Mannambeth, KodeKloud
- AWS Certified Solutions Architect — Stephane Maarek, Udemy

Achievements and Activities

- Winner — Sanrakshan Hackathon, Techfest 2024, IIT Bombay.
- Top 10 — SIH Internal Round (2023 & 2024).
- Speaker — Next.js Workshop organized by GDG VITC.