

# SUSHIL SAHANI

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## Profile Summary

Full stack developer, Expertise in Cloud, DevOps and Ai Infrastructure. Building and Deploying Scalable Application

## SKILLS

- **Technical Skills** : C, C++, Python, Javascript, Typescript, React Native, SQL, Reactjs, Nextjs, Nodejs, Expressjs.
- **Cloud/Tools** : Azure, GCP, AWS, PostgreSQL, Prisma, Docker, Kubernetes, Helm, ArgoCD, Redis, Kafka, Prometheus and Grafana, Serverless Arch., Webhook.
- **Softskills** : Effective Communication, Critical Thinking, Problem solving, Collaborative Teamwork.

## EXPERIENCE

### ROBOMANIAC • Co-founder & Tech Lead December 2025 - Present

- Building India's robotics & AI learning ecosystem for ages 6–18 — curriculum, custom hardware, and a proprietary block + code platform

### CREW • SWE Intern • Remote - Sydney, Australia | January 2025 - Present

- Deployed Azure Application Gateway with Load Balancer using Docker and Kubernetes, improving routing, SSL handling, and reliability of production traffic.
- Migrated production PostgreSQL database from GCP to Azure Flexible Server, achieving zero downtime and a noticeable boost in performance.
- Handled microservices deployment on Azure and GCP with Kubernetes, Redis, and Kafka, optimizing scalability and reducing service latency.
- Built CI/CD pipelines with GitLab CI and ArgoCD, with Auto migration of SQL Queries in production DB. automating testing, deployment, and rollback for faster, error-free releases.
- Secured production secrets using Azure Key Vault, ensuring compliance and smooth integration across Azure, GCP, Gitlab CI and GitHub Actions workflows.

### IIT Bombay • Full-Stack Intern • On-Site - IITB | Oct 2024 - January 2025

Developed a comprehensive Procurement Management System for the Aerospace Department at IIT Bombay, serving administrators and project staff involved in research projects.

#### Highlights:

- Built responsive React.js application with TypeScript
- Designed comprehensive PostgreSQL database schema
- React.js , TypeScript , Node.js , Express.js , PostgreSQL , Prisma , Docker, VM Deployment

## EDUCATION

- **Bharati Vidyapeet College of Engineering Navi Mumbai** June 2023 - 2027  
B.E – Electronics and Telecommunication Engineering

## PROJECTS

- **Content Moderation Pipeline** [source](#) [Link.](#)
  1. Built a scalable moderation API using Google Cloud Vision for fast screening and Anthropic Claude for context-aware analysis, with smart escalation reducing LLM usage by ~85%
  2. Implemented parallel frame analysis (via FFmpeg) and a configurable threshold engine to detect unsafe content across images, GIFs, and videos
  3. Designed end-to-end moderation workflow with human review queue and React-based admin dashboard featuring real-time analytics and API management
- **Notewrite.** [source](#) [Link.](#)
  1. Full-stack education platform managing 15+ engineering courses with automated content management system for educational resources and study materials
  2. Implemented secure user authentication, integrated payment gateway for course purchases, and optimized performance for seamless learning experiences across devices