

VIDIT SHAH

+91 93134 63207 | sh.vidit16@gmail.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [viditsh-dev](#)

SUMMARY

Full stack Engineer with hands-on experience owning cloud infrastructure and backend systems end-to-end. Skilled in Azure, Terraform, Kubernetes, CI/CD, and building backend systems in Node.js/TypeScript handling real payments and concurrent traffic.

EDUCATION

Navrachana University, Vadodara, Gujarat, India

2022 - 2026 (Pursuing)

Bachelor of Technology (B.Tech)

CGPA: 8.2/10 (Current)

Major: Computer Science and Engineering | Minor: General Management

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, PowerShell, Bash

Backend Development: Node.js, Express.js, FastAPI, Django, REST APIs

Cloud/DevOps: Azure, Docker, Kubernetes, Helm, Terraform, Azure DevOps, GitHub Actions, Git, Linux, AWS

Databases: MongoDB, MySQL, PostgreSQL, Firebase, Redis

System Design: Microservices, Load Balancing, Caching, Read Replicas, Database Partitioning, Database Sharding, Pub/Sub, Event-Driven Architecture

WORK EXPERIENCE

MRI Software, Vadodara, Gujarat, India

DevOps Engineer I

May 2026 – Present

- Set up Azure infrastructure and networking for Dev, QA, Staging, and Production environments from scratch, using Terraform
- Moved 4 projects off TFS, Octopus Deploy, and CCTray onto Git and Azure DevOps, standardizing CI/CD across all of them
- Built an automated pipeline that encrypts and backs up production data to Azure Files
- Diagnosed and resolved recurring Dev/QA environment issues, reducing deployment friction

DevOps Engineer Intern

Jan 2026 – May 2026

- Supported QA and Development environments for a large-scale enterprise application hosted on on-premise VMs.
- Monitored environments, troubleshooted deployment issues, and resolved CI/CD pipeline failures in Azure DevOps
- Provisioned and managed Azure resources using Terraform and Infrastructure as Code (IaC) practices.
- Developed PowerShell scripts to automate operational tasks and improve deployment workflows.

Parthvitech Innovatives LLP, Vadodara, Gujarat, India

Dec 2022 - Mar 2023

Software Developer Intern

- Managed AWS Ubuntu servers and handled deployments, version control, and basic server maintenance.
- Built and integrated RESTful APIs using Django and connected with MySQL databases.

PROJECTS

GiftCafe - Full-Stack Marketplace Backend (Express 5, TypeScript, Prisma, PostgreSQL)

- Built the backend for a **multi-vendor marketplace platform with configurable, product-builder-style ordering, cart management, orders, payments, and user authentication.**
- Designed an **idempotent order and payment processing system** to prevent duplicate transactions and ensure reliable checkout workflows.
- Implemented **transactional checkout workflows** with row-level locking to maintain inventory consistency during concurrent purchases.
- Built **secure authentication** and account verification flows using **OTP-based email verification** and **JWT authentication.**
- Maintained API reliability and developer experience through comprehensive **Swagger documentation** and **Jest test coverage.**

AI News Article Generation System - Autonomous Content Pipeline (Python, Next.js, Node.js)

[GitHub Link](#)

- Built and deployed an autonomous AI news pipeline that ingests RSS and multi-source feeds, **using an LLM to categorize and rank articles by relevance before generation.**
- Designed an **E-E-A-T optimized article generation system — LLM-authored articles** with structured sections, engagement hooks, and SEO formatting.
- **Implemented a queue-based architecture for asynchronous scoring, certification, and auto-publishing, enabling the system to run unattended in production.**
- **Ran the system in production for 3 months, autonomously generating and publishing 1,000+ live news articles with minimal manual intervention.**
- **Engineered a full-stack content pipeline spanning scraping, LLM ranking/generation, quality certification, and a Next.js-based publishing frontend.**

Distributed Self-Healing DevOps Platform (K3s, Helm, Terraform)

- Architected a **self-managed K3s cluster** with automatic rollback, namespace isolation, and zero hardcoded secrets.
- Implemented full **observability stack** using Prometheus and Grafana for real-time infrastructure monitoring.
- Automated resource provisioning using **Terraform** and infrastructure management with **Helm and Traefik**.
- Configured **CI/CD pipelines** for automated deployments and system-wide health checks.

ECHO - Campus Connectivity & Marketplace Platform (MERN, Socket.IO)

[GitHub Link](#)

- Designed a **campus marketplace platform supporting real-time communication, negotiations, and product discovery.**
- Developed a **real-time chat and notification system** using Socket.IO for instant student communication.
- Built an **offline notification engine** that saves alerts in MongoDB and delivers them when users reconnect.
- Created a **real-time deal negotiation system** allowing students to settle product prices instantly.
- Integrated **Cloudinary and Multer** for efficient image uploads and media management.

CERTIFICATIONS

- HackerRank - Node.js (Intermediate)
- AWS Cloud Foundations | AWS Machine Learning Foundations | AWS ML for NLP