

# Raj Vasoya

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## EDUCATION

### Adani University

B.Tech in Computer Science Engineering (AI/ML) **CGPA: 7.88**

2023 – 2027

Ahmedabad, India

## EXPERIENCE

### Joyspoon

Automation / Software Intern

Dec 2025 – Mar 2026

Hybrid

- Developed automation workflows using **n8n** to streamline core business operations across teams.
- Built API integrations and backend logic for end-to-end workflow automation pipelines.
- Delivered scalable automation solutions and internal system improvements, reducing manual effort significantly.

## PROJECTS

### Production-Grade 3-Tier Application | Docker, AWS EC2, Nginx, MongoDB, React

- Containerized a full-stack app (React + Node.js + MongoDB + Nginx) with strict network isolation, deployed on **AWS EC2**.
- Wrote custom **Dockerfiles** for each tier; orchestrated all services with **Docker Compose** using isolated custom bridge networks.
- Configured **Nginx** as the sole external entry point (Port 80) for reverse proxy and API routing; MongoDB kept entirely unexposed.
- Enforced tier-to-tier security mirroring real production architecture; persisted MongoDB data using **named Docker volumes**.

### CKsFinBot | Kubernetes, Docker, FastAPI, MongoDB, React, Node.js

- Containerized and deployed a multi-service AI financial analysis platform on **Kubernetes**, replacing a serverless setup.
- Authored Kubernetes **Deployment** manifests for stateless services with configurable replicas; deployed MongoDB as a **StatefulSet** with PVC for durable storage.
- Defined **ClusterIP Services** for internal communication and an **Ingress** resource for external HTTP routing.
- Managed app config and secrets via Kubernetes **ConfigMaps** and **Secrets** for secure, environment-agnostic deployments.

### Wappy – WhatsApp Business Automation Platform | n8n, Meta API, Webhooks, Node.js

- Integrated **Meta WhatsApp Cloud API** via webhooks for real-time two-way messaging on an in-house automation backend.
- Automated order confirmations, chat logging, and multi-step workflow routing inside **n8n**.

## ACHIEVEMENTS

### Smart India Hackathon (SIH) 2025 – National Finalist

- Selected among **top 5 teams out of 500+** competing teams at the national level Grand Finale (Ministry of Education, AICTE).
- Solved PSID 25026 for the **Ministry of Ayush**: designed FHIR-aligned APIs to integrate NAMASTE and ICD-11 Traditional Medicine Module-2 (TM2) into EHR-compliant EMR systems.
- Gained hands-on experience in healthcare data modelling, standards-driven design, and interoperable API architecture under continuous expert evaluation.

## SKILLS

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**Languages** : Python, JavaScript, Java, C++

**Backend** : Node.js, Express.js, FastAPI, REST APIs, Supabase

**DevOps & Cloud** : Docker, Kubernetes (Deployments, StatefulSets, Services, Ingress), AWS EC2, Nginx, CI/CD

**Automation & AI** : n8n, Workflow Automation, OCR Processing, GPT Integration

**Databases** : MongoDB, SQL, Google Sheets Automation

**CS Fundamentals** : Data Structures & Algorithms, Operating Systems, Networking