

NIRAJ RATHOD

+91-9309324120 | rathodniraj.com@gmail.com | LinkedIn | GitHub | Portfolio

ABOUT ME

Software Engineer skilled in Python, SQL, web applications, and database-backed systems. Experienced with data-driven applications, cloud deployment on AWS/GCP, and a strong DSA foundation in Java.

EDUCATION

Vidyalankar Institute Of Technology

B.Tech in Information Technology — CGPA: **9.6/10**

Mumbai, India

2023 – Present

EXPERIENCE

Web Development Intern

May 2026 – July 2026

Autonova Ai

Remote

- Engineered a multi-tenant AI voice automation platform with a **99-endpoint FastAPI backend**, 3-role RBAC, Supabase JWT authentication, and ContextVar-based tenant isolation.
- Built real-time voice workflows with **Gemini Live and LiveKit SIP**, integrating **7 external services** for automated scheduling, CRM, SMS, and email.
- Implemented multi-tenant billing with **BYOK/Managed modes**, 4-level credential resolution, atomic wallet deductions, 402 balance protection, and provider health monitoring.

PROJECTS

AI-Driven Intrusion Detection System | Python, RAG, TensorFlow, FastAPI, Kafka, FAISS, Sentence Transformers, Streamlit

Code: <https://github.com/Niraj1232005/AI-Driven-Intrusion-Detection.git>

- Built an autoencoder-based anomaly detection model with a Kafka streaming pipeline, achieving real-time zero-day intrusion classification.
- Engineered a RAG pipeline using **Sentence Transformers and FAISS** to generate explainable threat reports with MITRE ATTACK mapping.

ReportForge – Document Editor & Report Generator | Next.js, TypeScript, Supabase, PostgreSQL, Flask, Python, Tailwind CSS

Live: <https://reportforge-neon.vercel.app> | **Code:** <https://github.com/Niraj1232005/reportforge.git>

- Built a full-stack document editor with A4 preview, DOCX export, Supabase OAuth/email authentication, and Row-Level Security across API routes.
- Developed a Flask document-processing service for automated formatting and media embedding, reducing manual formatting effort by **70%**.

Voynex | React, TypeScript, Supabase, JWT, Tailwind CSS, Shadcn UI, Stripe/Razorpay, Weather API, OpenAI

Code: <https://github.com/Niraj1232005/voynex-v2>

- Built a full-stack travel platform with JWT-based auth, RBAC, and Razorpay payment processing for multi-currency transactions.
- Integrated OpenAI and live weather APIs to auto-generate personalized packing lists and trip suggestions based on destination, season, and preferences.

TECHNICAL SKILLS

Languages: Python, SQL, Java, JavaScript, TypeScript

Data Engineering: Data Ingestion, ETL/ELT, Data Modeling, SQL, Kafka

Databases: PostgreSQL, MySQL, MongoDB, Supabase

AI/ML: TensorFlow, Scikit-learn, RAG, FAISS, Sentence Transformers, TF-IDF, KNN

Cloud/DevOps: AWS (EC2, S3), GCP, Railway, Git, Linux, nginx, Postman

Backend: FastAPI, Flask, Node.js, Express.js, REST APIs, JWT, OAuth

Frontend: React.js, Next.js, Tailwind CSS, Shadcn UI, HTML, CSS

CERTIFICATIONS

Cloud Computing

C-DAC Pune