

Harsh Gorakh Khairnar

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SUMMARY

I am a full-stack developer with a passion for building scalable and user-friendly web applications. I specialize in both front-end and back-end techn...

EDUCATION

Bachelor of Engineering in Computer Engineering

Agnel Charities' Fr. C. Rodrigues Institute of Technology, Vashi Navi Mumbai, India | CGPA: 8.71/10 (SEM-6)

2026

EXPERIENCE

Project Intern

IISER, Mohali

June 2024 – May 2025

- Built a RAG-based health assistant using LangChain, ChromaDB, integrated with React Native + Flask. Answered queries from 1K+ chunk medical knowledge base with < 3s latency. Stores chat memory.

FullStack Intern

Pirates Alert

August 2024 – March 2025

- Built scalable Node.js backends with optimized MySQL schemas, integrated with Puppeteer web scrapers and Appium-based Android automators to detect and process 10K+ piracy assets/month across 5+ clients.
- Engineered a React + Node dashboard for brand infringement complaints monitoring, reducing manual work by 60% and handling thousands of cases/month.
- Developed a browser automation system to locate copyright reporting mechanisms and automated 2K+ complaints filings/month. Created a BERT-based web-content takedown verifier.

Freelance Software Developer

June 2024 – Dec 2024

- Built and deployed a scalable React, Netlify Backend, MongoDB based e-commerce platform with JWT/Google OAuth, PayU payments, user frontend and admin panel.
- Built secure, scalable RESTful APIs with CORS management, HTTPS; deployed on Netlify and Hostinger.

PROJECTS

AI-Driven Insider Threat Detection

Next.js, FastAPI, Kafka, Docker, Autoencoders, XGBoost, Dask

- Built real-time threat detection system sniffing firewall-level traffic (Scapy + Docker), streamed via Kafka to FastAPI backend for initial flagging using XGBoost, Autoencoder (deep threat analysis) trained on Dask-processed random sample of 13GB insider-activity data.
- Integrated VirusTotal API for outbound email threat checks; dashboard (NextJs) with .pcap logs, alerts, analyst management.

SakhiSahayak

React, Python, Websockets, Supabase, FastAPI, AWS, YOLOv8, MediaPipe, OpenCV, React Native

- Designed and implemented a safe mode feature enabling continuous location tracking, periodic alerts, and automated emergency calls by analyzing audio inputs to ensure user safety.
- Developed precise geotagging for CCTV cameras on maps, identifying high-risk zones based on historical incident data and alerting users upon entering such areas.

SKILLS

React • TypeScript • HTML • CSS • Javascript • Java • Python • Node.js • Next.js • React Native • FastAPI • Flask • MySQL • PostgreSQL • MongoDB • Firebase • Supabase • Git • GitHub

LANGUAGES

English, Hindi