# Jayesh Chaudhari

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## EDUCATION

**Fr. Conceicao Rodrigues Institute of Technology** | *B.E. Computer Science*
*University of Mumbai, CGPA: 9.05, SGPA: 8.8*

Vashi, Navi Mumbai
*Dec. 2021 – May 2025*

## EXPERIENCE

### Full Stack Intern, Pirates Alert
*December 2023-Present*
*Hybrid*

- Engineered an AI-based brand protection platform that boosted unauthorized seller detection accuracy by over 50% while cutting response times by 60%-70%.
- Orchestrated the development of a high-efficiency web scraper processing 2000+ links per run to pinpoint counterfeit listings across e-commerce platforms.
- Spearheaded the creation of a self-service platform that accelerates the detection and resolution of product infringements through automated crawlers.
- Led the deployment process and managed production-level issues, ensuring 95% uptime and performance optimization.

### Project Intern, Tranquilmind.ai
*July 2023-December 2023 Remote*

- Developed an AI-driven mental wellness platform that delivered empathetic, personalized interactions via OpenAI-powered NLP models.
- Drove the implementation of user segmentation to tailor personalized experiences, mindfulness exercises, and therapist recommendations.

## PROJECTS

**SakhiSahayak** | *React, Python, Websockets, Supabase, FastAPI, AWS, YOLOv8, MediaPipe, OpenCV, React Native*

- Developed an AI-driven system that monitors CCTV cameras 24/7, detecting distress signals and unusual activities, ensuring faster intervention for women's safety.
- Implemented a 'Safe Mode' feature that enables continuous location tracking, periodic alerts, and bot emergency calls, processing audio inputs with 85%+ distress detection accuracy.
- Mapped and geotagged CCTV cameras with risk classifications, alerting users upon entry into high-risk zones.

**SyncUp** | *React, FastAPI, Notion API, Google Calendar API, LLM, Docker*

- Architected 4 AI-powered organizational agents that automate administrative tasks, manages meetings, and tracks tasks to enhance workflow efficiency.
- Leveraged Google Calendar API and Notion API for seamless scheduling, task management, and real-time synchronization.
- Implemented NLP sentiment analysis to prioritize tasks and optimize follow-ups, enhancing productivity through AI-driven automation.

**Shieldify** | *React, ChakraUI, MongoDB, NodeJs, Python, RTSP Protocol, React Native, YOLOv8*

- Engineered a real-time safety verification system using YOLOv8, achieving over 95% accuracy in PPE detection, including helmets verified only when properly worn on the head.
- Optimized a modular PPE verification engine with customizable compliance thresholds, integrated with direct notification triggering along with email/SMS alerts upon PPE violations along with the app.
- Secured 90%+ live monitoring uptime by implementing efficient FFmpeg and RTSP stream handling.

## TECHNICAL SKILLS

*Languages*:  C, C++, Python, JavaScript, HTML, CSS, PHP

*Frameworks*:  ReactJs, NodeJs, NextJs , ExpressJs, OpenCV, Tensorflow, Yolo,  Ultralytics.

*Tools/Database*: Linux, Github, Figma, Cloud Computing (AWS/Azure), Docker, NLP, APIs, CI/CD, Microservices, Nginx, Gunicorn, Apache, MySQL, PostgreSQL, MongoDB, Firebase, Supabase

## ACHIEVEMENTS

- **Runners up (We-protsahan Award)** at Smart India Hackathon (SIH 2024) among **500 teams** in a problem statement.
- **Winner** at Spark-a-thon 2024, securing 1st place among **300+ participants** for AI-powered automation.
- **1st Runners up** in Kongsberg Maritime's Techathon (Kode Konquerors).
- **Top 10** in Project Presentation at IEI, Navi Mumbai
- **Finalist** at Rajasthan Police Hackathon 2024 & Hacktopia Hackathon-GNI Institutes, Hyderabad.

## VOLUNTARY EXPERIENCE

- Organization **Reviewer** for **HACKTIVATE 2k24** by Hacktify cyber security.
- **Vice-President,** Computer Society of India, FCRIT Chapter.

*July 2023-May 2024*