

Samir Tak

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Summary

AI/ML Developer with hands-on experience in **object detection** model **training** and **deployment** using Docker on CPU, ensuring high memory efficiency. Proficient in both **frontend** and **backend** development, with a strong background in developing and integrating **APIs** and working with raw **SQL** queries. Skilled in **version control** and possess a keen data analytical mindset, enabling effective problem-solving and **optimization** in AI/ML projects.

Experience

AEROCRAFT ENGINEERING (I) PVT. LTD | Ahmedabad, Gujarat

AI/ML Developer | 04/2024 - Present

- Trained and optimized an image detection model, achieving **84% accuracy**.
- **Extracted** and formatted **PDF** content into **HTML** for efficient content mapping.
- Implemented automated testing processes, **saving approximately 5 hours daily**.
- Possess hands-on experience in creating **Docker containers**.
- Addressed and managed **memory leaks** in models to improve performance and reliability.
- Currently working on reducing laborious data entry work **from 100 hours to 1 hour**.

Brainvire Infotech Pvt. Ltd | Ahmedabad, Gujarat

Associate Developer | 06/2023 - 04/2024

- Managed the **ERP system** for a globally recognized company in Dubai using **Odoo**.
- Integrated **SMS**, **WhatsApp**, and (**Zatca**) government portal with a success rate of **99.999%**.
- Implemented various features in the **POS system** to enhance functionality.
- Generated **customized** daily and monthly sales **reports** to support business decisions.
- **Optimized code** for better performance, ensuring seamless operation for over **300 concurrent users**.

Personal Projects

Tuberculosis Detection

- Developed a powerful **Machine Learning algorithm** that can detect the presence of Tuberculosis (TB) by analyzing the images. Achieving a remarkable high accuracy of **94%**

Feedback System

- Proposed a feedback based system for Gujarat Police. Developed numerous **APIs** with frontend in **React** to achieve a promising UI with less latency. Handled **Raw queries** to manage the data.

Restaurant Management System (JAMVA)

- A **subscription based** restaurant management system which would help a customer to order food within the restaurant at their ease. The user can simply scan the **QR code** and access the menu of the particular restaurant and can order from the app itself without the need of waiter, which would possibly **save time** during rush hours of restaurants.

Skills

Python, Docker, Fastapi, Django, Flask, Pytorch, Image Processing, TensorFlow, PDF Scrapping, Object Detection, Data Analysis, JavaScript, SQL, PostgreSQL, CSS, HTML5, Communication skills, Leadership

Education

Indus University | Ahmedabad, Gujarat

Bachelors in Computer Science | 05/2023

- Participated in Hackathon and represented University.
- Achieved 9.55 GPA