

Mit Gandhi

AIML Engineer

github.com/Mit-Gandhi | candidates.intervues.club/u/mit-gandhi

SUMMARY

AIML Engineer with expertise in building real-time computer vision systems, video analysis, and embedded edge AI deployments. Experienced in developing custom calibration algorithms, real-time object tracking, and cloud ML pipelines. Proven track record of delivering end-to-end machine learning solutions on specialized hardware platforms.

EXPERIENCE

MACHINE LEARNING ENGINEER

KisanKonnnect Safe Foods

Jun 2026 – Aug 2026

- Engineered a computer vision defect detection system for produce and deployed the solution on Raspberry Pi and NVIDIA Jetson Orin Nano edge devices.
- Built custom camera-to-laser calibration algorithms utilizing Homography Matrix transformations.
- Developed a video-based AI pipeline using VideoMAE to monitor store staff activities from CCTV footage and deployed the system on E2E Networks cloud infrastructure.

MACHINE LEARNING ENGINEER

KisanKonnnect Safe Foods

Dec 2025 – Apr 2026

- Engineered a computer vision defect detection system for produce and deployed the solution on Raspberry Pi and NVIDIA Jetson Orin Nano edge devices.
- Built custom camera-to-laser calibration algorithms utilizing Homography Matrix transformations.
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MACHINE LEARNING INTERN

C-DAC

Feb 2025 – Mar 2025

- Architected an integrated facial analysis platform incorporating detection, recognition, and crowd-based object tracking capabilities.
- Deployed the complete computer vision framework on NVIDIA Jetson Xavier NX and integrated it into a humanoid drone system within an Agile development workflow.

EDUCATION

C-DAC · PGCP · 2026 – 2027

Bharati Vidyapeeth College of Engineering · Bachelor of Engineering · 2022 – 2026

H.M.B Sardar High School · HSC · 2022 – 2022

SKILLS

Languages and Frameworks: HTML, JavaScript, Python, SQL, TypeScript, FastAPI, Pytorch, ReactJS

Databases: Firebase, MySQL, PostgreSQL, Vector Databases (FAISS, ChromaDB)

Tools: Cycle GAN, E2E Networks, Gemini LLM, Homography Matrix, HuggingFace, InsightFace, Jupyter Notebook, NVIDIA Jetson Orin Nano, OpenCV, RAG, Raspberry PI, Roboflow, VideoMAE, Visual Studio Code, YOLO

PROJECTS

CrimeVision AI

Engineered a next-generation AI surveillance platform designed for proactive criminal detection using real-time CCTV feeds and archived video footage. Implemented sketch-to-image generation and face recognition pipelines using Cycle GAN, InsightFace, FastAPI, and ReactJS.

Cycle GAN, InsightFace, FastAPI, ReactJS

GITHUB

Float Chat AI- RAG-Based Chatbot

Developed an AI-powered conversational interface that enables natural-language querying of ARGO oceanographic data. Architected a hybrid FAISS and PostgreSQL retrieval framework integrated with Gemini LLM and ECharts for natural-language oceanographic data analysis.

FAISS, PostgreSQL, Gemini LLM, ECharts
GITHUB

AWARDS

Hack With Gujarat 2025 Winner, IEEE Presentation, VibeHack by Lovable