

## KRISHNA CHAITHANYA KARAM

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## Professional Summary

As a Software Developer, I have gained extensive experience in developing and managing software solutions that integrate advanced technologies such as OpenCV, Grafana, and synthetic data generation. My role involved creating robust applications, designing interactive dashboards, and working with edge devices to facilitate efficient data collection and analysis. Below is a detailed account of my contributions and achievements.

## EDUCATIONAL QUALIFICATIONS

- ◆ Bachelor of Engineering from NIT Durgapur, West Bengal, India.
- ◆ Graduated: 2022 with 7.54 CGPA

## WORK EXPERIENCE

- ◆ Software Engineer in LivNSense GreenOps pvt ltd from Oct-2023 to Nov-2024.

## PROJECTS INVOLVED

### ✦ LivNSense GreenOps Pvt Ltd:

- **Developed** safety surveillance application "Vicas" for industrial environments, utilizing Python, PostgreSQL, Git, and Grafana.
- **Responsibilities** included data visualization using Grafana, automation script development, data management, and support for AI/ML developers.
- **Contributed** to the development of "ADAS" (Advanced Driver Assistance System) for Indian Railways, employing facial landmarks detection with dlib, OpenCV, and Python.
- **Responsibilities** involved facial landmark detection, real-time scenario testing, data processing, and system validation.
- **Participated** in the "Defect Detection" project for Astrac Group, focusing on identifying defective stickers on conveyor belts using computer vision and classification models.
- **Responsibilities** included industry environment setup, manual testing, algorithm validation, data collection and analysis, and performance optimization.
- **Engaged** in the "AutoLiv" project aimed at workplace safety enhancement by detecting personnel entering work areas with forklifts or pallet jacks and identifying safety gear.
- **Responsibilities** encompassed requirement gathering, dataset filtering, labelling and autolabelling using CVAT and Fifty-One tools, data preparation, and quality assurance.

## Technical Skills

Technologies	Python3, Pandas, OpenCV, Matplotlib, Tensorflow, Docker, CLI commands, Computer Vision, Pytorch, Tensorflow, keras, scikit learn, numpy
Databases	SQL, PostgreSQL
Tools	PyCharm, Visual Studio, CVAT, Roboflow
Web Development	HTML, JavaScript
Platform	Windows, Linux/ubuntu
Build/Source Control	Git

## CERTIFICATION'S

- ◆ Certificate of Internship on Machine Learning | May 2021.
- ◆ Certificate of Internship from Exposys Data Labs for completing the Full Stack Developer program | April 2023.

## LANGUAGES

- ◆ TELUGU: NATIVE OR BILINGUAL PROFICIENCY
- ◆ ENGLISH: FULL PROFESSIONAL PROFICIENCY
- ◆ HINDI: PROFESSIONAL WORKING PROFICIENCY
- ◆ SPANISH: LIMITED WORKING PROFICIENCY

## INTERESTS

- ◆ YOGA
- ◆ BADMINTON
- ◆ CYCLING
- ◆ RUNNING
- ◆ CHESS
- ◆ COOKING

## DECLARATION

I do hereby declare that the above information is true to the best of my knowledge

Date :06-06-2025  
Place : Hyderabad

Signature  
K.KrishnaChaithanya