Sunita Patil

Professional Experience

Senior Engineer, LeadSoc Technologies India Pvt Ltd (03/06/2024-present)

* Led and developed various Computer Vision software applications based on client requirements.
* Proficient in Python and C# for developing Computer Vision applications using Deep Learning and OpenCV

Project Engineer, Redbot Innovations Pvt. Ltd. (10/2020 – 5/2024)

* Developed and led teams on various Computer Vision software projects.
* Proficient in Python and C# for developing Computer Vision applications using Deep Learning and OpenCV

Technical Skills

* Computer Vision
* Deep Learning
* Machine Learning
* Image and Video Processing with Acquisition
* Custom training of Deep Learning Models with Model training, tuning, verifying accuracy and loss and optim

Software Skills

* Python
* C#
* OpenCV
* PostgreSQL
* Visual Studio 2017, 2019, 2022
* VS Code, Windows Form in VS
* Basler SDK, SVM, Baumer SDK, Spinaker Spin View SDK, IVMS, Colab, Kaggle.

Project Details

Industrial Projects

* **Reading OCR on medical carton box, on metal surface (car VIN number) and also on cylindrical metal su
* Medical Carton Box OCR reading – Gland Pharma (Dec 2020 – Feb 2021)
* Vin Number OCR reading – Maruti (MSIL) (Feb 2021 - June 2021)
* Glow plug cylindrical metal surface OCR reading – Bosch (June 2021 – Dec 2021)
* Identified Character position on carton with proper reading and comparing with input provided to give result
* For VIN number reading of OCR with location display and spacing between letters with height and width of
* Identified OCR on Cylindrical parts with parts presence/absence with parts location and OCR printed locati
* Performed in both Python and C#.
* **Engine sealant inspection, car panel sealant inspection.**
* Car panel sealant inspection- Maruti (Dec 2021 – April 2022)
* Engine sealant inspection – Toyota (Tkap) (Sep 2022 – Nov 2022)
* Found whether the sealant applied on car panels or engine were continuous and not broken along with the
* Also, pin pointed the location where the sealant is improper using OpenCV C#.
* **Identifying objects condition using Computer Vision.**
* Identifying Resolver lock conditions – Toyota (Tkap) (May 2022 – July 2022)

* Identifying Thermistor lock conditions – Toyota (Tkap) (July 2022 – Sep 2022)
* Performed object detection and checking parts locking is proper or not in c# using Opencv.
* **Recognizing and identifying objects using Deep Learning.**
* Wheel Identification – Wheels India (Nov 2022 – April 2023)
* Performed object detection and tracking of small objects on wheels and labeled them using PyTorch, Faste
* Wheel disc pattern with valve and color identification - Wheels India (Nov 2022 – April 2023)
* Classifying the disc pattern and color identification with angle detection of color to center of part using Ope
* Classification and detection of bike parts - Hero Motorcorp (April 2023 – Dec 2023)
* Classifying the parts with part name and co-ordinates of the part as bounding box which was done by label
* **Person detection and pose estimation:**
* Person detection and pose estimation – (Dec 2023- April 2024)
* Using Deep Learning Model (YOLOv Models) have detected person and for pose estimation I have used M

Academic Details

Bachelor of Engineering, KLE College of Engineering and Technology, Chikodi, Belagavi (07/2015 – 06/2

* Graduated with 6.7 CGPA

Pre-university course, Excellent PU College, Moodbidri (04/2013 – 04/2015)

* Class of 2015 with 70%

Secondary School Leaving Certificate, Jain High School, Moodbidri (04/2013)

* Class of 2013 with 69%

Courses

* Basics Java, Python and SQL, Jspiders.
* Python for Computer Vision with OpenCV and Deep Learning, Udemy
* Machine Learning, Data Science and Deep Learning with Python, Udemy.