Animeshkumar Nayak

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SUMMARY

A big-time admirer of Computer Vision and its vast implications. Have a Strong affinity towards Python and its libraries and its logic-solving algorithms. Huge interest towards Convolution Networks and Their practical applications.

EXPERIENCE

Sr. Computer Vision Engineer
L&T Technology services **October 2022 - Present, Vadodara**

Responsible for:
• End-to-end pipeline building for smart vision-based solutions in large construction sites with multicamera stream followed by Realtime object detection.
• Worked on data science toolkits such as Jupyter lab/notebooks, pandas, bash scripting and also extensively on Linux environment
• Practically Implemented in the fields e.g: structured information extraction, object detection, facial recognition, image segmentation, Pose estimation
• Extensively worked with OpenCV, PIL, and other image-processing libraries and OCR engines
• Expertise in computer vision or deep learning frameworks and libraries, e.g: PyTorch, OpenCV, Keras, TensorFlow, sci-kit-image, ONNX
• Experience on state-of-the-art algorithm like YOLO v4 to latest v8 and Faster R-CNN

Consultant (FTC)
L&T Technology services **October 2021 - October 2022, Vadodara**

Responsible for:
• Serving to One of the global leaders in microcontrollers client for machine learning model deployment on their Soc i.e: model deployment on microcontroller (TinyML)
• Deployed TFlite micro models on microcontrollers like esp32cam for object detection using a pruning technique

Embedded Engineer
Cogent controls **October 2018 - October 2021, Mumbai**

Responsible for:
• Electronic circuit embedded testing and python simulation.

Intern
Ineuron.ai

Project: PCB Component Fault Detection Datasets:
Responsible for:
• Raw Dataset Collection from the electronics industry and setting up discussions with the industry domain expert about their most critical points on detection and faults.
1: Detecting all the components in the PCB
2: Detecting faults in Electronics PCB and Deploying it using Heroku Api. deployed a user-friendly front-end dashboard using Streamlit Library.

EDUCATION

Bachelor of Technology
Minor in Electrical & Electronics Engineering • Jawaharlal Nehru Technological University • Hyderabad • 2018 • 72.34

CERTIFICATIONS

Specialization Machine Learning
Coursera (Stanford University & DeepLearning.AI) • 2022

SKILLS

- **Experience with writing production-level code**
- **Deep expertise in machine learning, deep learning, image processing, computer vision**
- **Strong Python/C++ programming, familiarity with software development**
- **Configuring Nvidia Deepstream on edge device for multi-camera object detection**