

Sachin M R

Computer Vision Engineer

Personal Info

Phone

8105426656

E-mail

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Date of birth

02-04-1998

Skills

Python

Deep learning

Machine learning

Computer Vision

OpenCV

Tensorflow

AWS

Docker

NLP

OpenCV

Keras

Embedded Linux

Links

LinkedIn

<https://www.linkedin.com/in/sachin-m-r/>

Immediate Joiner | Machine Learning Engineer with 3.9 years of experience and a proven track record in developing deep learning models and integrating them with diverse cloud service providers, including AWS. Proficient in optimizing deep learning models and porting applications for Edge devices, using containerized applications and orchestrating containers through the AWS cloud or Kubernetes. With hands-on experience, I bring expertise in leveraging cutting-edge technologies to drive successful Machine learning solutions.

Experience

Machine learning and Automation Expert

SSD shared services private LTD / 09/2023 - 12/2023

Joined as Machine learning and Automation Expert

Machine learning engineer

Capgemini / 02/2020 - 08/2023

- Worked on various deep learning based and Computer vision based applications including image classification, object detection.
- Built expertise in optimizing the models for different hardware accelerators like CPU, GPU, DSP and NPU.
- Designed and Implemented various deep learning model training applications.
- Implemented optimized workflows for deep learning model training using Containerization and Orchestration.
- Designed and implemented applications using various AWS services(Includes Sagemaker, IoT, EC2, ECR, Lambda, Cloudwatch, EventBridge etc.) for model training and Deployment.

Education

Bachelor of Engineering

Don Bosco Institute of Technology / 08/2015 - 07/2019

Bangalore

Courses

Deep learning Specialization

Coursera

Machine learning Specialization

Coursera

Deep learning AI Tensorflow Specialization

Coursera

Projects

Smart Camera System for Traffic Monitoring

01/2022 - 08/2023

This is a real time object detection system which includes running the containerized applications on various Edge devices and displaying the analysis result on a local web server. The application includes an end to end pipeline for real time data analysis and displaying the result on the Cloud dashboard

Gesture recognition and Face recognition application for Smart TV system

11/2021 - 12/2021

This is a native Android application based Gesture and Face recognition applications which takes the real time camera input and generates different android intents based on Gesture or Face recognized.

Autonomous Lane follower robot

01/2021 - 10/2021

This project is a prototype which demonstrates the Reinforcement learning algorithm trained on a Unity based virtual simulator environment and porting the trained model to the real world. This model was tested with Turtlebot 3 which has QUALCOMM's robotics platform RB5 on it.

Benchmarking the Edge devices

10/2020 - 12/2020

This project aims at benchmarking different edge devices like Nvidia Jetson TX2, Nvidia Jetson Nano with different Deep learning algorithms and showcasing the AI capability of these devices.