

Sanjay Shanbhag

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EDUCATION

Master of Science in Computer Science

University of Central Florida | Orlando, FL | 3.92 GPA

August 2021 - Present

Bachelor's in Electronics and Communication Engineering

Acharya Institute of Technology | Bangalore, India | 8.01 GPA

July 2015 - July 2019

TECHNICAL SKILLS

Programming: C, C++, Python, HTML and CSS, PHP

Frameworks and Technologies: Artificial Neural Networks, Computer Vision, Deep learning, Azure Cognito services, Image Processing, Machine learning, Keras, TensorFlow, OpenCV, CNN, Linux, Pytorch, Git (Version Control), Open vino, Scikit-Learn, Pandas, Embedded Systems (Raspberry pi, Arduino, ESP32, IP and Analog cams), ROS (Robot Operating system)

PROFESSIONAL EXPERIENCE

Data Science Engineer

August 2020 - July 2021

AlndraLabs Pvt Ltd | Bangalore, India

- Learned new skills and applied them to daily tasks, improving efficiency and productivity and carried out day day-day duties accurately and efficiently
- Communicated with ## clients to provide weekly updates on the progress of relevant projects
- Worked on "REVERSE VENDING MACHINE" for bottled beverages. This project involved training of deep learning model to classify the various bottles, segmentation to remove background clutter and finally reading of barcode on the bottle for verification which included 360° unique barcode scanning features.
- Lead the project "WOODLOG FACE RECOGNITION", which utilized the "Soft Attention based model" to effectively classify the wood logs.
- PEOPLE ANALYTICS, which is basically in-store analytics which involves getting insights of the store like consumer count, staff count, group count, age, and gender etc.

Embedded Software Engineer

September 2019 - August 2020

Sigsenz Technologies Pvt Ltd | Bangalore, India

- Prepared detailed reports on updates to project specifications, progress, identified conflicts and team activities
- Managed technological issues for assigned projects, increasing customer satisfaction with on field service.
- Worked on "FACE RECOGNITION APP" for the driver face recognition using Azure Face API, Ultra-light face detector, and face net feature extractor ensuring accurate face recognition.
- Trained a MULTI CLASS OBJECT DETECTOR for the driver Analysis.
- Industrial surveillance using face recognition algorithm with telegram alert system.
- Office surveillance system using multi overhead camera setup which included region and time stamping feature.
- People Counter using mobile net architecture with OpenCV framework.

INTERNSHIP AND PROJECT EXPERIENCE

Old Dominion University Internship program | Acharya Institute of Technology

2018

Driver Drowsiness Detection | Acharya Institute of Technology

2019

Electronic testing and Development Pvt. Ltd | Bangalore, India

2019

Neural Networks and Deep Learning | Coursera

2020

Improving Deep Neural Networks | Coursera

2020

Structuring Machine Learning projects | Coursera

2020

Introduction to Containers w/ Docker, Kubernetes, OpenShift | Coursera

2020

Ebay 2021 University Machine Learning Competition | Ebay ML competition

2021

Working on Video Segmentation for autonomous driving | University of Central Florida

2021

Working on Autonomous driving project (RTIS research lab)

2021

Build Basic Generic Adversarial networks (GANs) | Coursera

2021