Sanjay Shanbhag

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EDUCATION

Master of Science in Computer Science   **August 2021 - Present**
University of Central Florida | Orlando, FL | 3.92 GPA
Bachelor's in Electronics and Communication Engineering   **July 2015 - July 2019**
Acharya Institute of Technology | Bangalore, India | 8.01 GPA

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**
AIndraLabs Pvt Ltd | Banglore, 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 360^0 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**

ON-CAMPUS ACTIVITIES

Active Member of Member of IEEE UCF | University of Central Florida	**2021**
Student worker at UCF Dining services | University of Central Florida	**2021**
Organizing Member of UCFKAT (Knights Auto Team) **|** Autonomous Driving Community	**2022**
Graduate Teaching Assistant | Introduction to Robotics	**2022**