Prithvi Ram G

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Education:

Sastra University   Thanjavur, India
Bachelors, Electronics and Communication Engineering   May, 2015

Certifications:

Certified Tensorflow Developer, by Google   Dec, 2020
CNNs, LSTMs, SequentialModels, dropouts, DataAugmentation, tf.data.dataset, callbacks.
C++ Standard Template Library, by GeeksforGeeks   Sep, 2020
Templates,STL Algorithms, priority queues(heap), stack, queues, list, dequeues, pairs, sets, maps.

Skills:

- Languages - Python, Matlab, C++.
- Algos - Object Detection, Segmentation, DBSCAN, Decision Trees, Kalman Filter, SolvePnP, Camera Calibration.
- Libraries - Tensorflow, Scikit-learn, pandas, numpy, scipy, opencv, Plotly.
- Tools - NVIDIA GPU Cloud, Docker, CANoe, SCANeR Studio, Lauterbach.
- Designing - Simulink, Targetlink, Enterprise Architect.
- Project Management - Clearcase, SVN, DOORS, Clearquest.

Experience:

Renault-Nissan Business Center India, Chennai   Jul, 2018 - Present
- Lane Parameter Extraction using in-house Camera - Tensorflow, NVIDIA DGX station
- Traffic Sign Detection using in-house Camera - Tensorflow, NVIDIA DGX station
- Radar Point Cloud - Clustering, Classification, Tracking (MATLAB)
- Simulated signals of E-Horizon Provider according to ADASIS protocol (C++)
- Euro N-CAP scenarios simulation using MATLAB GUI (MATLAB)

Robert Bosch Engineering and Business Solution, Coimbatore   Aug, 2015 - Jun, 2018
- StateMachine Design for Automatic Parking Control (Targetlink)
- Spring Torque and Damping Torque tuning in Steering Software Endstop (Targetlink, C)
- Calibration of Steering Angle Sensor for identifying RackPosition (Targetlink, C, CAN, UDS)
- Fault links in Software as per ISO 26262-4 for Fault Injection Testing
- Component Integration Testing for various Steering Application components