DRUVA KUMAR CHARIPALLI

PROFESSIONAL SUMMARY

- 3 years of experience in Digital Image Processing, Computer Vision and Computational Graphics.
- Software development experience on 3D point cloud processing using Visualization and Computer Graphics Library (VCG library) a C++ template library.
- Published a paper at Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP) -2014, IISc (Indian Institute of Sciences), Bangalore, India

PROJECTS UNDERTAKEN

VALEO INDIA PVT LTD
1: Surround view systems for ADAS

VISHAMA CREATION
- 1: Estimation of skeleton of 3D point cloud from a single scan
- 2: Estimation of Measurements from multiple partial scans of human's
- 3 : Measurements from Kinect scanned 3D Model

IIT KHARAGPUR
- 1: Shape-from- focus using Total Variation Prior and Split Bregman algorithm
- 2: Color Image Segmentation using Gaussian Mixture Model and Expectation Maximization Algorithm
- 3: Converting visual distorted image into fronto-parallel views using homography computation

SEMINARS
- 1: Parallel Video Coding in HEVC Using Wavefront Parallel Processing.
- 2: Fractal Image Compression.

Languages
- Telugu
- English
- Hindi

WORK EXPERIENCE

Senior Software Engineer   Aug'16 to till date
VALEO INDIA PVT LTD

Software Developer   Nov'14 to Aug'16
VISHAMA CREATIONS, BANGALORE

Project Assistant   May'14 to Oct'14.
COMPUTER VISION LABORATORY, SIT, IIT, KHARAGPUR

EDUCATIONAL QUALIFICATION
- **M.Tech** from IIT Kharagpur in Media And Sound Engg , 2014 with CGPA **8.09.**
- **B.Tech** from JBIET in ECE, affiliated to JNTU Hyderabad, 2012 with **71.18 %**.
- 12th from JNV-Nalgonda, CBSE,2007 with **78.00%**
- 10th from JNV-Nalgonda, CBSE, 2005 with **76.80%**

TECHNICAL SKILLS

Programming Languages : C, C++, MatLab.
Software Packages   : VCG library for Mesh Processing.
IDE and Tools   : Microsoft Visual Studio, MinGW tool set, Source Insight. Blender modeling tool.
Operating Systems   : Linux and Windows.
Miscellaneous   : Latex, gcc . Tortoise SVN

PERSONAL DETAILS

Father's Name : Mr. Parvathalu Charipalli
Date of Birth   : 22nd Oct. 1989
Gender   : Male
Nationality   : Indian
Marital Status   : Single

MISC ACTIVITIES
Actively working with Ph.D. students in Computer Vision Laboratory, SIT, IIT, Kharagpur collecting data using Microsoft Xbox.