

EDUCATION	<b>University Of Massachusetts, Amherst</b> , (Ph.D. - CS) <b>Columbia University, New York</b> , (M.S. , CS ) <b>PSG College of Technology, India</b> , (B.E. , IT)	<i>Jan 2018 - current</i> <i>Sep 2011 - Dec 2012</i> <i>Aug 2005 - Jun 2009</i>
PUBLICATIONS	<b>Conference</b> <ul style="list-style-type: none"><li>• <a href="#">BuildingNet: Learning to Label 3D Buildings</a>: Selvaraju Pratheba, Nabail Mohamed, Kalogerakis Evangelos, Chaudhuri Siddhartha. (ICCV Oral -2021 )</li><li>• <a href="#">Developable Surface using 3D Implicit functions</a>: Selvaraju Pratheba, Kalogerakis Evangelos. (Under review - EG-23) Implicit surface reconstruction of developable surface reconstruction from noisy input point cloud regularized by developability prior</li></ul> <b>Working Paper</b> <ul style="list-style-type: none"><li>• <a href="#">3D Generative Modelling from single view image "in the wild"</a>: Selvaraju Pratheba, Faezeh Amjadi, Ilya Zharkov</li></ul>	
RESEARCH INTERNSHIP	<b>Microsoft - Applied Science Group</b> , Redmond, WA <ul style="list-style-type: none"><li>• Working on 3D face reconstruction from single view image</li><li>• Conducting experiments on microsoft data focusing on temporal stability, better reconstruction and frame to frame consistency</li></ul> <b>Google</b> , Redmond, WA <ul style="list-style-type: none"><li>• Worked on LiDAR building semantic labelling of parts and reconstruction</li><li>• Conducted experiments on real google street view lidar data to extract window positions to be used for training for part label segmentation</li><li>• Experiments to reconstruct the open surfaces (buildings)</li></ul> <b>Facebook Reality Labs</b> , Redmond, WA <ul style="list-style-type: none"><li>• Worked on virtual panel placement in synthetic room view in augmented reality setup</li><li>• Conducted experiments for better placement of the panel with respect to head positions dealing with occlusions and scale of the panel</li></ul>	<i>Sep 2022 – current</i> <i>Jun 2022 - Aug 2022</i> <i>May 2020 - Sep 2020</i>
PROFESSIONAL EXPERIENCE	<b>IMO, USA (Software Engineer)</b> Audio quality improvement of the IMO application by suppression of voice interruption and echo. <b>Machine Zone, USA (Software Engineer)</b> Art tool development for production of game assets using shader programming and 3D graphics <b>Microsoft, USA (Software Engineer)</b> Full stack developer in Skype for business <b>Amazon, USA (Software Development Intern)</b> <b>EMC Corporation(RSA), India (Software Engineer)</b>	<i>Mar 2017 – Dec 2017</i> <i>Sep 2016 – Jan 2017</i> <i>Apr 2013 – Aug 2016</i> <i>May 2012 – Aug 2012</i> <i>Aug 2009 – July 2011</i>
ACADEMIC PROJECTS	<b>University Of Washington</b> , Seattle, Washington, USA <ul style="list-style-type: none"><li>• RealTime fingertip tracking and virtual painting</li></ul> <b>Columbia University</b> , New York, New York, USA. <ul style="list-style-type: none"><li>• XNA Shader Programming :</li><li>• Augmented Reality Mobile game application</li></ul>	<i>Jan 2014 – Mar 2014</i> <i>Sep 2011 – Dec 2012</i>
TECHNICAL SKILLS	Python, C++, Pytorch, OpenGL <a href="#">3D Computer Vision</a> , <a href="#">Machine Learning</a> , <a href="#">3D Computer Graphics</a>	
PORTFOLIO	<b>LinkedIn</b> <b>Github</b> <b>univGithub</b>	