

EDUCATION	University Of Massachusetts, Amherst , (Ph.D. - CS) Columbia University, NewYork , (M.S. , CS) PSG College of Technology, India , (B.E. , IT)	<i>Jan 2018 - current</i> <i>Sep 2011 - Dec 2012</i> <i>Aug 2005 - Jun 2009</i>
PUBLICATIONS	Conference <ul style="list-style-type: none">• BuildingNet: Learning to Label 3D Buildings: Pratheba Selvaraju, Mohamed Nabail, Evangelos Kalogerakis, Siddhartha Chaudhuri. (ICCV Oral -2021)• Developable Approximation of Neural Implicits via Rank Minimization: Pratheba Selvaraju. (Accepted - International conference on 3D Vision (3DV-2024)) .• OFER: Occluded Face Expression Reconstruction and Ranking: Pratheba, Selvaraju, Victoria Abrevaya, Timo Bolkart, Evangelos Kalogerakis, Faezeh Amzadi, Ilya Zharkov . (Under submission - Conference) Journal <ul style="list-style-type: none">• A 3D digitisation workflow for architecture-specific annotation of built heritage: Marisia Deligiorgi, Maria I Maslioukova, Melinos Averkiou, Andreas C Andreou, Pratheba Selvaraju, Evangelos Kalogerakis, Gustavo Patow, Yiorgos Chrysanthou, George Artopoulos . (JASREC -2021) Current Projects <ul style="list-style-type: none">• Occluded face conditional expression generation: Pratheba, Selvaraju, Victoria Abrevaya, Timo Bolkart• High detailed 3D animatable face generation from single view images: Pratheba, Selvaraju, Timo Bolkart, Victoria Abrevaya, Evangelos Kalogerakis	
RESEARCH INTERNSHIP	Microsoft - Applied Science Group , Redmond, WA <ul style="list-style-type: none">• OFER: Occluded Face Expression Reconstruction and Ranking Google , Redmond, WA <ul style="list-style-type: none">• Worked on LiDAR building semantic labelling of parts and reconstruction• Conducted experiments on real google street view lidar data to extract window positions to be used for training for part label segmentation• Experiments to reconstruct the open surfaces (buildings) Facebook Reality Labs , Redmond, WA <ul style="list-style-type: none">• Worked on virtual panel placement in synthetic room view in augmented reality setup• Conducted experiments for better placement of the panel with respect to head positions dealing with occlusions and scale of the panel	<i>Sep 2022 – Dec 2022</i> <i>Jun 2022 - Aug 2022</i> <i>May 2020 - Sep 2020</i>
PROFESSIONAL EXPERIENCE	IMO, USA (Software Engineer) Audio quality improvement of the IMO application by suppression of voice interruption and echo. Machine Zone, USA (Software Engineer) Art tool development for production of game assets using shader programming and 3D graphics Microsoft, USA (Software Engineer) Full stack developer in Skype for business Amazon, USA (Software Development Intern) EMC Corporation(RSA), India (Software Engineer)	<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>
TECHNICAL SKILLS	Python, C++, Pytorch, OpenGL 3D Computer Vision , 3D Computer Graphics	

PORTFOLIO

CV-Personal Webpage(pratheba.github.io)
LinkedIn([prathebaselvaraju](#))
Github
univGithub ([prathebaselva](#))

REFEREES

Timo Bolkart, (Google Research)
Email: timo.bolkart@tuebingen.mpg.de

Ilya Zharkov, (Microsoft Research)
Email: zharkov@microsoft.com

Evangelos Kalogerakis, (University of Massachusetts, Amherst)
Email: kalo@cs.umass.edu