
INTERESTS	Visual SLAM, 3D Computer Vision
EDUCATION	International Institute of Information Technology, Hyderabad, India (IIIT-H) 2018 - 2021 M.S. by Research in Computer Science & Engineering Thesis: Robust Visual-inertial Odometry for Highly-dynamic Scenes Advisor: Dr. K. Madhava Krishna Cumulative Grade Point Average: 9.50/10 Sri Sivasubramaniya Nadar College of Engineering, Chennai, India (SSN) 2013 - 2017 B.Eng. in Electronics & Communication Engineering (ECE) from Anna University , Chennai
PUBLICATIONS	INFER: Intermediate Representations for Future Prediction  Shashank Srikanth, Junaid Ahmed Ansari, R. Karnik Ram, Sarthak Sharma, J. Krishna Murthy, K. Madhava Krishna <i>In proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems, 2019</i> CalibNet: Geometrically-Supervised LiDAR - Camera Extrinsic Calibration using 3D Spatial Transformer Networks  Ganesh Iyer, R. Karnik Ram, J. Krishna Murthy, K. Madhava Krishna <i>In proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems, 2018</i>
EXPERIENCE	International Institute of Information Technology, Hyderabad, India Fall 2019 Teaching Assistant Designed and evaluated assignments, and held tutorials for the graduate course in Mobile Robotics. ETH Robotics Summer School July 2019 Participant Worked on a semi-autonomous ground robot for search-and-rescue applications. Mobile Robot Programming Toolkit Summer 2018 Google Summer of Code Student Developer Developed a GUI app for the extrinsic calibration of range and visual sensors. International Institute of Information Technology, Hyderabad, India May 2017 - April 2018 Research Intern in the Robotics Research Center Worked on markerless LiDAR-camera extrinsic calibration for an autonomous car. Navstik Autonomous Systems, Pune, India Summer 2016 Computer Vision Intern Developed and evaluated GPU-accelerated person tracking algorithms for a drone.
RELEVANT COURSEWORK	<i>Graduate:</i> Computer Vision, Machine Learning, Mobile Robotics, Topics in Applied Optimization, Topics in Optimization on Manifolds <i>Undergraduate:</i> Robotics & Automation, Digital Image Processing, OOP & Data Structures, Computer Architecture, Probability & Random Processes, Embedded & Real Time Systems
AWARDS & GRANTS	<ul style="list-style-type: none">• ETH Robotics Summer School Travel Grant 2019• Best Senior Year Project, ECE Department, SSN 2017• First place, inter-college image processing based robotics event, Anna University 2016• SSN Trust Funding for Student Projects 2014, 2015
STUDENT ACTIVITIES	<ul style="list-style-type: none">• Student System Administrator for the compute cluster at RRC, IIIT Hyderabad. 2020• Conceived, developed, and maintained The SSN App - the official mobile app of SSN. 2014 - 2017
TECHNICAL SKILLS	<i>Tools & Libraries:</i> OpenCV, ROS, PCL, PyTorch, Matlab, Git Familiar: Qt, Android <i>Programming Languages:</i> C/C++, Python Familiar: Java