

INTERESTS	Visual SLAM, 3D Computer Vision
EDUCATION	<b>International Institute of Information Technology, Hyderabad, India (IIIT-H)</b> 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  <b>Sri Sivasubramaniya Nadar College of Engineering, Chennai, India (SSN)</b> 2013 - 2017 B.Eng. in Electronics & Communication Engineering (ECE) from <b>Anna University</b> , Chennai
PUBLICATIONS	<b>INFER: Intermediate Representations for Future Prediction</b> 📄 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>  <b>CalibNet: Geometrically-Supervised LiDAR - Camera Extrinsic Calibration using 3D Spatial Transformer Networks</b> 📄 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	<b>International Institute of Information Technology, Hyderabad, India</b> Fall 2019 Teaching Assistant Designed and evaluated assignments, and held tutorials for the graduate course in Mobile Robotics.  <b>ETH Robotics Summer School</b> July 2019 Participant Worked on a semi-autonomous ground robot for search-and-rescue applications.  <b>Mobile Robot Programming Toolkit</b> Summer 2018 Google Summer of Code Student Developer Developed a GUI app for the extrinsic calibration of range and visual sensors.  <b>International Institute of Information Technology, Hyderabad, India</b> May 2017 - April 2018 Research Intern in the Robotics Research Center Worked on markerless LiDAR-camera extrinsic calibration for an autonomous car.  <b>Navstik Autonomous Systems, Pune, India</b> 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"> <li>• <b>ETH Robotics Summer School Travel Grant</b> 2019</li> <li>• <b>Best Senior Year Project</b>, ECE Department, SSN 2017</li> <li>• <b>First place</b>, inter-college image processing based robotics event, Anna University 2016</li> <li>• <b>SSN Trust Funding for Student Projects</b> 2014, 2015</li> </ul>
STUDENT ACTIVITIES	<ul style="list-style-type: none"> <li>• Conceived, developed, and maintained <b>The SSN App</b> - the official mobile app of SSN. 2014 - 2017</li> <li>• <b>Event Coordinator</b>, SSN-ECE Tech Club 2016 - 2017</li> </ul>
TECHNICAL SKILLS	<i>Tools &amp; Libraries:</i> OpenCV, ROS, PCL, PyTorch, Matlab, Git   Familiar: Qt, Android <i>Programming Languages:</i> C/C++, Python   Familiar: Java