

Srinidhi Hegde

Computer Vision Researcher



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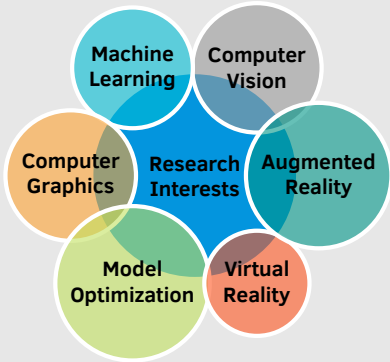
/in/srihegde



srihegde

Skills

Overview



Programming

0 LOC —————> 5000 LOC

Python

C • C++ • Android

Java • Matlab • R

Projects

B.Tech Thesis - Robust 3D Reconstruction of Indoor Scenes using Deep Learning

Machine Learning - American Sign Language Recognition Using Hierarchical Rank Pooling

Independent Project - I - Fault Tolerant Area Coverage in Multi-Agent Systems

Computer Vision - Vision Based Outdoor Localization of IIIT-Delhi Campus

Independent Project - II - Modelling Vegetations with L-systems using an Image

Education

2013 - 2017 **B.Tech, Computer Science** (GPA: 8.63/10)
Information Technology Delhi

Indraprastha Institute of

2011 - 2013 **All India Senior School Certificate Examination (AISSCE)**
(CBSE)(Percentage: 94.2%)
Suraj Bhan D.A.V Public School, New Delhi

Publications

- G. Garg, **S. Hegde**, R. Perla, V. Jain, L. Vig, R. Hebbalaguppe "DrawInAir: A Lightweight Gestural Interface Based on Fingertip Regression". Observing and Understanding Hands in Action, European Conference on Computer Vision (ECCV), 2018
- **S. Hegde**, N. Rakholia, R. Hebbalaguppe "Where To Place: A Real-Time Visual Saliency Based Label Placement for Augmented Reality Applications". International Conference on Image Processing (ICIP), 2018
- **S. Hegde**, R. Perla, R. Hebbalaguppe, E. Hassan, "GestAR: Real Time Gesture Interaction for AR with Egocentric View". IEEE International Symposium on Mixed and Augmented Reality (ISMAR), 2016

Experience

- Aug 2017 - Present **Researcher, Innovation Labs** Tata Consultancy Services
Situating Visualisation in AR/VR, Deep Model Optimization, Scene Understanding
- Jan, 2017 - **Teaching Assistant, GPU Computing** Indraprastha Institute of Information Technology Delhi
May 2017 Designing course curriculum, CUDA assignments and projects for the course of GPU Computing at Graduate and Post Graduate level at IIIT-Delhi.
- Jan 2017 - March 2017 **Software Development Intern** HEICO, India
Fine-tuned control of Fatigue Testing Machine (FTM) used for evaluating material strength and fatigue visualization. Worked with .NET technology for developing data analysis tool for PID controller data of FTM.
- May 2016 - Aug 2016 **Research Intern, Innovation Labs** Tata Consultancy Services
Augmented Reality with Google Cardboard for Android Platform. Development of hand gesture interaction techniques for Google Cardboard for AR along with UI development and text rendering.
- Jun, 2015 - **Teaching Assistant, Data Structures and Algorithm** Indraprastha Institute of Information Technology Delhi
Aug 2015 Summer refresher module and orientation for the incoming M.Tech batch of 2015.

Awards and Achievements

- Dean's Teaching Excellence Award 2017 for best teaching assistant for GPU Computing Course offered at IIIT Delhi.
- Selected for Computer Vision and Machine Learning Summer School 2017, organised by Centre for Visual Information Technology, IIIT Hyderabad.
- Selected for fully-funded scholarship for attending CVS Vista Summer School 2017 conducted at York University, Canada.
- First Runner-up in semi-finals of Annual Science Quiz 2009, held at National Science Center, Delhi.
- Junior Science Talent Search Examination (JSTSE) by Directorate of Education, Delhi State Govt. Obtained 33rd rank in Delhi State.