Srinidhi Hegde

Computer Vision Researcher

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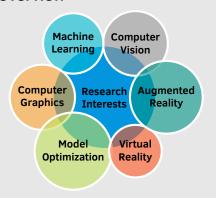
in /in/srihegde

⚫ srihegde

Skills

Overview

Programming

$0\ LOC \longrightarrow 5000\ LOC$

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

Publications

- **S. Hegde**, J. Maurya, A. Kalkar, R. Hebbalaguppe "SmartOverlays: A Visual Saliency Driven Label Placement for Intelligent Human-Computer Interfaces". IEEE Winter Conference on Applications of Computer Vision (WACV), 2020

- **S. Hegde**, G. Garg, 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

Experience

Aug 2017 - Present	**Researcher, Innovation Labs** — Tata Consultacy Services	Scene Understanding, Deep Model Optimization, Situated Visualisation in AR/VR
Jan,2017 - May 2017	**Teaching Assistant, GPU Computing** — Indraprastha Institute of Information Technology Delhi	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 Consultacy 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 - Aug 2015	**Teaching Assistant, Data Structures and Algorithm** — Indraprastha Institute of Information Technology Delhi	Summer refresher module and orientation for the incoming M.Tech batch of 2015.

Awards and Achievements

- Selected for Eastern European Machine Learing Summer School 2019, held at Politehnica University of Bucharest, Romania.

- 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.

- Junior Science Talent Search Examination (JSTSE) by Directorate of Education, Delhi State Govt. Obtained 33rd rank in Delhi State.