

# Nagabhushan S N

<https://sites.google.com/site/nagabhushansn95>

Email: nagabhushans@iisc.ac.in

Phone: +91 9035838220

## Research Interests

Image and Video Signal Processing, Perceptual Image and Video Quality Assessment, Computer Vision, Machine Learning

## Education

**Ph.D. - Indian Institute of Science (IISc), Bengaluru** Aug 2018 - Present

Dept of Electrical Communication Engineering

- ◇ Advisor : Dr. Rajiv Soundararajan
- ◇ CGPA : 9.59

**B.E. - PES Institute of Technology, Bengaluru** Aug 2012 - May 2016

Dept of Electronics and Communication Engineering

- ◇ CGPA : 9.93 (Gold Medallist)

**Class XII** : 96% (District Topper) 2012

**Class X** : 96.8% (District Topper) 2010

## Course Work

**Mathematics** : Linear Algebra, Probability, Optimization

**Electrical** : Digital Image Processing, Digital Video: Perception and Algorithms, Computer Vision, Machine Learning for Signal Processing, Detection and Estimation Theory

## Computer Skills

**Programming Languages** : Java, Python, Android, MATLAB

**Platforms** : Windows, LINUX, MacOS

**Softwares** : L<sup>A</sup>T<sub>E</sub>X

## Professional Experience

- ◇ **Indian Institute of Science (IISc)**, Teaching Assistant Oct 2020 - Present
- ◇ **Cisco Systems India Pvt Ltd**, Software Engineer Aug 2016 - Jul 2018
- ◇ **Elseem Inc.**, Research Intern Jun 2015 - Jul 2015

## Publications

- ◇ Nagabhushan Somraj, Manoj Surya Kashi, S. P. Arun, and Rajiv Soundararajan. A naturalness evaluation database for video prediction models. *arXiv e-prints*, page arXiv:2005.00356, 2020 - Submitted to IEEE Transactions on Image Processing, May 2020.

## Projects

- ◇ **Face Detection using Aggregate Channel Features** 2019
- ◇ **Image Mosaicing (Panorama)** 2019
- ◇ **Intra-Campus Wi-Fi Calling System** with Voice Activity Detection 2016
- ◇ **Android Apps**: Finance Manager, One Touch Settings 2014–17

## Honors & Awards

- ◇ Recipient of Prime Minister's Research Fellowship (PMRF), 2020.
- ◇ Recipient of MHRD scholarship (Govt of India) for all 4 years of B.E.