Sankaran Vaidyanathan

sankaranv8@gmail.com
+91-8056023188
https://sankaranv.github.io

Research Experience

- **Project Associate** — Chennai, India
  Robert Bosch Centre for Data Science and Artificial Intelligence, IIT Madras — *2017 - present*
  - **Project**: Extending Modularity Maximization methods for Clustering on Hypergraphs (advised by Prof. Balaraman Ravindran)
  - **Courses**: Probabilistic Graphical Models, Deep Learning, Linear Algebra and Random Processes
  - **Talks given**: A tour of Spectral Clustering and the Graph Laplacian
  - **Other work**: Set up and managed a Kubernetes-based cluster for the lab (currently 50 GPUs and 70+ users)

- **Research Intern** — Chennai, India
  RISE-IIL Lab, Department of CSE, IIT Madras — *2016*
  - Project: End-to-end clustering using deep neural networks (advised by Prof. Balaraman Ravindran)

Education

- **SSN College of Engineering (Anna University)** — Chennai, India
  B.E, Electrical and Electronics Engineering — *2013 - 2017*
  - **Project**: Control of Autonomous Quadrotor for Real-Time Object Tracking
  - **CGPA**: 8.45 (out of 10)
  - **Other activities**: Scriptwriter for Lights Out Please (SSN's theatre group), English Literary Club, SSN Model United Society, Humour Us (stand-up comedy club).

Publications

Tarun Kumar*, **Sankaran Vaidyanathan***, Harini Ananthapadmanabhan, Srinivasan Parthasarathy, Balaraman Ravindran, *A New Measure of Modularity in Hypergraphs: Theoretical Insights and Implications for Effective Clustering*, under review at The Web Conference 2019

Skills

- **Programming Languages**: Python, C++, (a little bit of) Haskell

- **Libraries**: OpenGL, TensorFlow

- **Tools and Platforms**: LaTeX, Linux, Arduino

- **Other**: After Effects, Premiere