Mohan Kumar Sriram

mohanksriram@gmail.com

EDUCATION

The University of Texas at Austin　　　　　　　　　　　　　　　　　Austin, TX
Master of Science in Computer Science　　　　　　　　　　　　　　*2020 – Present*

BMS College of Engineering　　　　　　　　　　　　　　　　　Bengaluru, IND
Bachelor of Engineering in Electronics and Communication　　　　　　*2012 – 2016*

SELECTED COURSEWORK

Parallel Systems, Advanced Operating Systems, Convex Optimization, Reinforcement Learning

EXPERIENCE

Research Software Engineer　　　　　　　　　　　　January 2020 – April 2021
CynLr　　　　　　　　　　　　　　　　　　　　　　　　　　*Bengaluru, India*
- Responsible for the design and architecture of perception pipeline for rigid object manipulation.
- Developed a library containing optimized proprietary computer vision algorithms supporting high throughput (GPU) and low latency (CPU) hardware.

Software Consultant　　　　　　　　　　　　　　July 2019 – December 2019
Indpendent　　　　　　　　　　　　　　　　　　　　　　　*Bengaluru, India*
- Designed and Deployed an end-to-end training and inference pipeline to detect and localize tyre defects for the third largest tyre manufacturer in India. The deep learning based pipeline improved customer turn around time by 10x and reduced labour requirement by 4x.
- Built a 3D scan assembler system to generate point clouds using a rotating 2D LIDAR for a military use case.

Co-Founder　　　　　　　　　　　　　　　　　　　July 2018 – June 2019
Neospec Labs　　　　　　　　　　　　　　　　　　　　　　*Bengaluru, India*
- Designed and implemented a medical device to predict the incidence of jaundice in neonates with sub-second inference time leveraging neural networks.

Software Engineer　　　　　　　　　　　　　　　　June 2016 – June 2018
Sling Media　　　　　　　　　　　　　　　　　　　　　　*Bengaluru, India*
- Conceived and implemented a multi-platform live streaming client interface for a portable media streaming product (SlingStudio) which accounted for more than 60% of the user session lengths.

TECHNICAL SKILLS

Languages: C, C++, CUDA, Python
Frameworks: ROS
Libraries: Pytorch, OpenCV