

Mohan Kumar Sriram

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EDUCATION

The University of Texas at Austin

Master of Science in Computer Science

Austin, TX

2020 – Present

BMS College of Engineering

Bachelor of Engineering in Electronics and Communication

Bengaluru, IND

2012 – 2016

SELECTED COURSEWORK

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

EXPERIENCE

Research Software Engineer

CynLr

January 2020 – Present

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

Independent

July 2019 – December 2019

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.

Chief Technology Officer

Neospec Labs

July 2018 – June 2019

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

Sling Media

June 2016 – June 2018

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