

# Murali Krishna Sai Sriram

mksriram@uci.edu | (949) 664-0138 | <https://www.linkedin.com/in/murali-sriram>

## WORK EXPERIENCE

### Arista Networks

Santa Clara, California

Software Engineer Intern (C++ and Python)

June 2022 – Sept. 2022

- Build new backend service from scratch that generates CAPI model for CLI commands and fixed Egress Queue counter feature bugs.

### Cisco Systems

Bangalore, India

Software Engineer (Python, Django, XML, Yang, Linux and Docker)

Sept. 2016 – Sept. 2021

- Lead developer in the Service Automation Orchestration team of Cisco Customer Experience vertical.
- Led a team in designing, and delivery of Software-defined Network LSP Automation Solutions for various Service Provider customers across globe, solution involved developing backend services and web applications.
- Solutions developed helped customers to do Network Optimization and Traffic Engineering, which helped to reduce the network downtime by 60% and further helped to meet their customer SLA's.
- Developed service packages (L2/L3 VPNs) for customers, which reduced service deployment time by 40%.
- Managed production and lab environments.

### Broadcom Limited

Bangalore, India

Software Engineer Intern (Python and Visual Basic)

July 2015 – June 2016

- Automated post-silicon validation tests using python and visual basic which brought down manual testing time by 65%.

### UC Irvine Donald Bren School of Information and Computer Sciences

Irvine, California

Graduate Teaching Assistant

Sept. 2021 – June 2022

- Teaching and Instructing undergraduate students for the courses Intro to Software Engineering (INF 43).

## TECHNICAL SKILLS

- Programming Languages - Python and C++ ( object-oriented design )
- Frameworks and OS - REST, Django, Linux ( RedHat and Centos )
- Tools and Technologies - Git, Vim, SQL, Yang, JavaScript, HTML, VMware ESXi, Docker, Kubernetes
- Network Protocols – OSPF, BGP, TCP/IP, SNMP and NETCONF

## EDUCATION

### University of California, Irvine

M.S. in Computer Science (Networked Systems)

September 2021 - June 2023

- Relevant courses: Design and Analysis of Algorithms(DSA), Data Structures, Parallel Computing, Distributed Systems, Advanced Networks and Operating Systems(OS).

### Birla Institute of Technology and Science, Pilani, India

B.E. (Hons) in Electronics and Communication and M.Sc. (Hons) in Economics

June 2016

## CERTIFICATIONS

- Cisco Certified Network Associate(R&S)
- Cisco Certified DevNet Associate
- Consultant Development Program (Cisco CDP-1)

## ACADEMIC PROJECTS

Search Engine and Web Crawler

Mar. 2022 – May 2022

- Developed web crawler to crawl all the webpages in the uci.edu domain and built a search engine which processes the user query against 250k web documents and provides the top 10 most relevant web documents within 100ms.

## PAPER ACCEPTANCE

- Paper publication acceptance - "Implementing S-Transform in Continuous-Time Using Non Linear Sequence Transformation", IEEE 58<sup>th</sup> Int'l Midwest Symposium on Circuits & Systems August 2-5, 2015 Fort Collins, Colorado USA