

**EMPLOYMENT**

---

<b>Software Engineer Intern</b> Sustenance Engineering Team	<b>VT iDirect, Herndon, VA</b>	<b>May 2017 - Present</b>
<ul style="list-style-type: none"><li>Increased customer productivity by automating the health check of protocol processor cluster.</li><li>Redesigned a tool for adding new satellite terminal information; achieved <b>12x speedup</b>.</li><li>Worked with customers and internal consultants to solve production bugs and escalations.</li></ul>		
<b>Software Engineer</b> Management Plane Team - Juniper OS	<b>Juniper Networks, India</b>	<b>Jul 2014 – Jul 2016</b>
<ul style="list-style-type: none"><li>Developed utilities for Juniper command line management interface.</li><li>Designed and developed an auditing module for RADIUS accounting.</li><li>Designed and developed a tool to convert Juniper Domain Specific Language to XML.</li><li>Increased code coverage of CLI &amp; RADIUS modules to <b>90%</b>.</li></ul>		
<b>Software Engineer Intern</b> Management Plane Team - Juniper OS	<b>Juniper Networks, India</b>	<b>Jan 2014 – Jun 2014</b>
<ul style="list-style-type: none"><li>Integrated and ported a library from BSD to linux for communication with RADIUS server.</li></ul>		

**EDUCATION**

---

<b>MS Computer Science, 3.67/4</b>	<b>North Carolina State University, USA</b>	<b>Expected: May 2018</b>
<ul style="list-style-type: none"><li>Coursework: Parallel Systems, Compilers, DevOps, Advance Internet Protocol, Cloud Computing, Object Oriented Design, Database Systems, Algorithms, Operating Systems</li></ul>		
<b>BS Computer Science, 8.42/10</b>	<b>M.S. Ramaiah Institute of Technology, India</b>	<b>Sept 2010 – Jun 2014</b>

**TECHNICAL EXPERIENCE**

---

**Projects**

- Implemented Python-SDK for x86 based devices to communicate with tago.io IoT platform.
- Automated the process of creating SDN Overlay network with Apache VCL and Open vSwitch.
- Implemented QoS for Streaming Videos; Improved video quality by prioritizing I-MPEG packets.

**Publications**

- CUDA friend recommender system for social network, ERCICA, Elsevier, 2013
- Game theoretic resource allocation in cloud computing, ICADIWT, IEEE, 2014
- Microsense: Sensor Framework for IoT System-on-Chip, IJHCR, IGI-Global, 2016

**LANGUAGES | TECHNOLOGIES**

---

- C, C++, Python, Ruby, SQL, CUDA C/C++
- Rails, Unix/Linux, TCP/IP, Ansible, Open vSwitch, KVM, GlusterFs, MPI, Docker, Jenkins

**ACHIEVEMENTS | ACTIVITIES**

---

- Nokia Do Good Hackathon**, Finalist, Bangalore, 2013
- ACM ICPC Amritapuri-Asia onsite Regionals**, 2012 & 2013
- TEDxMSRIT**, Co-organizer, MSRIT, 2013
- Linux User's Group** – NCSU & MSRIT