

**EMPLOYMENT**

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**Software Engineer Intern** **VT iDirect, Herndon, VA** **May 2017 - Present**

Sustenance Engineering Team

- Increased customer productivity by automating the health check of protocol processor cluster.
- Redesigned a tool for adding new satellite terminal information; achieved **12x speedup**.
- Worked with customers and internal consultants to solve production bugs and escalations.

**Software Engineer** **Juniper Networks, India** **Jul 2014 – Jul 2016**

Management Plane Team - Juniper OS

- Developed utilities for Juniper command line management interface.
- Designed and developed an auditing module for RADIUS accounting.
- Designed and developed a tool to convert Juniper Domain Specific Language to XML.
- Increased code coverage of CLI & RADIUS modules to **90%**.

**EDUCATION**

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**MS Computer Science** **North Carolina State University, USA** **Expected: May 2018**

- Coursework: Parallel Systems, Compilers, DevOps, Advance Internet Protocol, Cloud Computing, Object Oriented Design, Database Systems, Computer Architecture

**BS Computer Science** **M.S. Ramaiah Institute of Technology, India** **Sept 2010 – Jun 2014****TECHNICAL EXPERIENCE**

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**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**

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- C, C++, Python, Ruby, SQL, CUDA C/C++
- Rails, Unix/Linux, TCP/IP, Ansible, Open vSwitch, KVM, GlusterFs, MPI, Docker, L2/L3, OpenMP

**ACHIEVEMENTS | ACTIVITIES**

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- **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