

2385 Champion CT  
Raleigh, NC – 27606

## KUSHAGRA MISHRA

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<http://kushmishra.me>

### EMPLOYMENT

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<b>Software Engineer Intern</b>	<b>VT iDirect, Herndon, VA</b>	<b>May'17 - Present</b>
<b>Software Engineer</b>	<b>Juniper Networks, India</b>	<b>Jul'14 – Jul'16</b>
Management Plane Team - Juniper OS		
<ul style="list-style-type: none"><li>• Developed CLI commands for Juniper management interface.</li><li>• Developed an auditing module for RADIUS accounting.</li><li>• Developed a tool to convert Juniper DSL into XML</li></ul>		
<b>Software Engineer Intern</b>	<b>Juniper Networks, India</b>	<b>Jan'14 – Jun'14</b>
Management Plane Team - Juniper OS		
<ul style="list-style-type: none"><li>• Integrated and ported Juniper auditing modules.</li></ul>		

### EDUCATION

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<b>MS Computer Science</b>	<b>North Carolina State University</b>	<b>3.67</b>	<b>Aug'16 – May'18</b>
Spring 2017: Advance Internet Protocol, Cloud Computing, Object Oriented Design and Development			
Fall 2016: Internet Protocol, Database Management Systems			
<b>BS Computer Science</b>	<b>M.S. Ramaiah Institute of Technology, India</b>	<b>8.42</b>	<b>Aug'10 – Jun'14</b>

### TECHNICAL EXPERIENCE

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#### Projects

- Python-SDK for tago.io, open source contribution, 2017
- SDN Overlay network with Apache VCL and Open vSwitch, 2017
- QoS for Streaming Videos: Improving video quality by prioritizing I-MPEG video packets over RTP, 2016

#### Publications

- CUDA friend recommender system for social network, ERCICA, Elsevier, 2013
- Game theoretic resource allocation in cloud computing, ICADIWT, IEEE, 2014

### LANGUAGES | TECHNOLOGIES

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- C, C++, Python, Ruby, SQL, CUDA C/C++
- Rails, Git, Unix/Linux, TCP/IP, RADIUS, Socket Programming, Open vSwitch, KVM, GlusterFs

### ACHIEVEMENTS | ACTIVITIES

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- **Nokia Do Good Hackathon**, Finalist, Bangalore, 2013
- **ACM ICPC Amritapuri-Asia onsite Regionals**, Team : codessjs, 2013
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- **Linux User's Group**, NCSU
- **TEDxMSRIT, Co-organizer**, MSRIT
- **VRGLinug – Linux User's Group – MSRIT**, Mentor