

## SUNNY ALAGH

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Education	<b>Northeastern University, Boston, MA</b>	
	<b>Master of Science in Telecommunication Systems Management</b> Courses: Data Networking, Linux/UNIX for Network engineers, Telecom Architecture, IOT	<b>May 2017</b>
	<b>Delhi Technological University, Delhi, India</b>	<b>June 2012</b>
	<b>Bachelors of Technology in Electronics &amp; Communication Engineering</b> Course: Wireless & Mobile Communication, Network Filters, Digital Designing	
Skills	<b>Technologies:</b> Cisco IOS, ACL, NAT, LAN, WAN, IPv4, IPv6, SDH, SIP, VoIP	
	<b>Languages:</b> Shell Scripting (BASH), Python and SQL	
	<b>Tools:</b> Wireshark, Cisco Packet Tracer, NetAct, My SQL Workbench, SQL Server, Reflection, Toad Modelling tool	
	<b>Protocols:</b> OSPF, BGP, TCP/IP, ARP, Ethernet, DHCP	
	<b>Operating System:</b> Linux/UNIX, Windows	
Projects	<b>Cisco Packet Tracer Project, Northeastern University</b>	
	<ul style="list-style-type: none"><li>Developed a virtual branched office network.</li><li>Created a full mesh network topology involving Sub netting, IP addressing scheme and Access list.</li><li>Configured routers with OSPF routing protocols and was able to transmit/receive data packets.</li><li>Upgraded the network by adding the features such as Frame Relay, VLAN, TELNET, HSRP, and PVST.</li><li>Checked routing tables, ARP Tables, trace routes.</li></ul>	
	<b>Ad-hoc Network for a company using Linux</b>	
	<ul style="list-style-type: none"><li>Configured and integrated DNS, DHCP, Web and Mail Server on Linux (Ubuntu) machines using bash shell.</li><li>Configured and integrated Bacula backup for the server.</li></ul>	
	<b>Python Project – Socket Programming</b>	
	<ul style="list-style-type: none"><li>Implemented a HTTP Server using Python without using modules to handle one request from user.</li><li>Designed server which sends HTML page on request by a client</li></ul>	
	<b>Network Automation: Created a shell script to automate network configuration for RHEL/CentOS</b>	
	<ul style="list-style-type: none"><li>Produced a data file containing the absolute path of configuration files instead of hard-coding paths inside the script</li><li>Deployed switches as arguments to the script configuring DNS, Sysctl, Interface parameters</li><li>Added a mechanism to log configuration changes with timestamp.</li></ul>	
Experience	<b>QILOTECH LTD.</b>	<b>Jun 2017 – Nov 2017</b>
	<b>Infrastructure Support Engineer</b> <ul style="list-style-type: none"><li>Helped in setting up and smooth functioning of AWS EC2, S3 and SES services.</li><li>Automated the DB backup using S3 service.</li><li>Owned the process for releasing production code to customer-facing production environments.</li><li>Worked on critical, highly complex customer problems that will span multiple AWS services.</li><li>Troubleshoot, reproduced and solved challenging operational issues in AWS modules.</li></ul>	
	<b>IDEA CELLULAR LTD.</b>	
	<b>Assistant Manager, Networks</b>	<b>Aug 2010 – July 2015</b>
	<ul style="list-style-type: none"><li>Monitored and administered Linux BSC's and Servers.</li><li>Provided on call support to field team and vendors for software/hardware upgradations.</li><li>Documented various tasks and technical activities, for betterment of the network KPIs.</li><li>Involved key role in network deployment.</li><li>Executed Tests post software and hardware upgradations on cell site and BSC level.</li><li>Involved in procurement. Strategized, handled and planned for manpower and other resources.</li></ul>	
	<b>IDEA CELLULAR LTD.</b>	
	<b>Senior Engineer, Networks</b>	<b>Jun 2007 – July 2010</b>
	<ul style="list-style-type: none"><li>Integrated layer 1 and layer 2 Switching and routing Mux's, Base systems.</li><li>Troubleshoot Network hardware &amp; interconnectivity issues.</li><li>Managed and maintained 24/7 Network.</li><li>Integrated, configured and troubleshoot SDH Equipment's.</li></ul>	