

PAVAN KESAVA RAO

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EDUCATION

The University of Texas at Dallas, Richardson, TX, USA
Masters of Science in Telecommunications Engineering,

Expected Aug 2017
GPA 3.135/4.0

Anna University, Chennai, India
Bachelors of Engineering, Electrical and Electronics Engineering,

June 2012
GPA 8.0/10.0

TECHNICAL SKILLS

Protocols : TCP/IP, IPv4/v6, QoS, VPN, DNS, IP Routing – BGP, RIP, EIGRP, VoIP, SIP, H.323, TLS, RTP, SRTP, Open Flow
Software/Tools : Wireshark, Cisco Prime & UCM, IPAM InfloBox, VMware ESXi, iPRO Spectra XL, mininet, Sonus tools
Hardware : Cisco router, switch(Nexus), ASA Firewall, Checkpoint, Bluecoat, FireEye, Server – Oracle, HP, IBM
Voice and Teleconferencing – SBC, PSX, DSI, PBX, VoIP phones – Lync, Cisco, Avaya
Operating Systems : Windows server 2008/2012, Linux (Ubuntu, Cent OS), Cisco IOS
Languages : Java, Python and Scripting - Shell

CERTIFICATION

- Cisco Certified Network Associate (**CCNA – Wireless**) **April 2018**
- Cisco Certified Network Associate (**CCNA – Routing and Switching**) **April 2018**

WORK EXPERIENCE/INTERNSHIP

Solutions Center Intern, Sonus Networks, Dallas, USA

May. 2016 – Present

- Implementing various SDN use-cases – Branch office connectivity, Disaster Recovery, Skype for Business, bandwidth On-demand provisioning using Sonus VelloS SDN Controller and Open Hardware devices. Knowledge in JSON, RESP API and CLI
- Ability to lift hardware, rack & stack devices, end-to-end connectivity and effective management of Data Center environment
- Building and configuring hardware and software versions of Sonus SBC, PSX Policy manager, DSI, PBX, User phones and testing
- Presently involved deployment of Cisco ACI Fabric for Datacenter and Voice testing for customers – functional and capacity

Technology - Software Defined Networking (SDN), Virtualization, Cloud (Mirantis Open Stack), Voice Networking – SIP, VoIP

Network Administrator, Wipro Technologies, India

Dec. 2012 – July 2015

- Ability to communicate effectively with internal teams, customer and service providers to complete assignments
- Experience in configuring Cisco routers, switches, policies for Checkpoint Firewall, WAN Optimizer, Servers and VoIP devices
- Involved with service providers – AT&T, Orange, in implementing network routing with technologies MPLS, BBB, V-SAT, ISDN
- Assisted in preparing scripts to automate IP address blocks assignment on IPAM which eased in management of IPs efficiently.

Awards & Recognition

- **Best performer** in Technical Readiness Program (TRP), Wipro Technologies, Chennai, India.
- **Best new recruit** recognition from client (MasterCard) for being on top of day to day activities and providing active support.

ACADEMIC & PERSONAL PROJECTS

RTP, RTCP based protocol design for live video streaming in Android client

August 2016

Designed and implemented protocol, android client in Java for playlist selection and live media streaming using Android client

Wi-Fi coverage and heat-map analysis, Introduction to Wireless Communication Systems

January-2016

Assessed signal coverage of home network at 2.4/5 GHz range, transmission capacity and methods to improve performance

Network traffic analysis using Wireshark, Advanced Computer Networks

November-2015

Analyzed real time traffic of Gmail, Skype, VoIP call, assessed SIP flow, TCP/IP and SCTP stacks and presented inherent vulnerabilities.

TCP based protocol design for File transfer, Advanced Computer Networks

October-2015

Programmed in Java to synchronize files and folders from Desktop and mobile phone towards Amazon (AWS) cloud platform.

WLAN SSID Broadcast using QR Code

August 2015

Utilized the potential of QR code to broadcast WLAN SSID that enables BYOD users to swiftly authenticate and join networks.