

SHIRIN BHAMBHANI

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EDUCATION

University of Maryland

M.S. Telecommunications Engineering (GPA: 3.83/4)

College Park, MD

Expected May 2017

Manipal Academy of Higher Education: Manipal Institute of Technology

B.E. Electronics and Communication Engineering (CGPA: 7.04/10)

Manipal, India

July 2014

TECHNICAL SKILLS

Tools : Cisco Packet Tracer, Matlab, VMware ESXi 6.0, GNS3 Network Simulator, AWS, JIRA, Wireshark, Qt, Microsoft Office, TeraVM, Cisco ASA, Mininet, Retina Network Scanner

Networking Concepts : OSI, TCP/IP, RIP, OSPF, EIGRP, IGRP, BGP, DNS, DHCP, STP, NAT, PAT, VPN, SDN, OpenFlow

Programming Skills : C++, Python, SQL

Operating Systems : Windows, Linux-RHEL, HP-UX

CERTIFICATIONS

Cisco Certified Network Associate (973/1000); Cisco Certified Network Associate - Security (962/1000); Junos (JNCIA-Junos)

RELEVANT COURSEWORK

Networks and Protocols, Introduction to Digital Communications, Network Design and Configuration Lab (Configuration of Juniper Network Devices), Cloud Computing, Internet of Things – Systems and Protocols

RELEVANT EXPERIENCE

CGC Technologies Inc.

Silver Spring, MD

Network Engineer

September 2016 – October 2016

- Managing different customer networks remotely and by visiting on-site when required. Providing solutions to the problems faced by customers, like access issues and connectivity issues, through helpdesk support and ticketing system. Taking weekly backup of all the network devices of the customer networks.
- Performing cyber penetration tests on the customer networks and upgrading their entire network infrastructure. Monitoring network connectivity continuously through Spiceworks Network Monitoring tool.

Cisco Systems (Zenaide Technologies Inc.)

Columbia, MD

Security Engineer – Intern

May 2016 – August 2016

- Successfully set up a virtual testing environment using VMware ESXi 6.0 Client for testing security policies like SSL and AMP for Cisco Security Devices, using TeraVM testing tool.
- Worked with multiple vendors and interdependent teams for the development of sizing guides for Cisco Security Devices, detailing deliverables and overall project status.

Center for Advanced Transportation Technology Lab

University of Maryland - College Park, MD

IT Intern

March 2016 - May 2016

- Maintained 200+ servers across several data centers, using JIRA. Installed and administered CentOS and Windows virtual servers on VMware ESXi 6.0. Configured and managed physical switches and firewalls during migration of data centers.
- Worked extensively on Windows domain controllers using Active Directory.

Tata Consultancy Services

Gurgaon, India

Assistant System Engineer-Trainee

August 2014 – June 2015

- Administration of RHEL, Solaris and HP-UX physical and virtual servers. Operations included installation, monitoring, migration, retirement, patching and troubleshooting of servers.
- Managed Disk file systems, Server Performance and file permissions using Logical Volume Management Server.
- In charge of accounts creation, including setting up of user and group logins, network configurations, resolving permission conflicts and password management on Linux servers using LDAP Internet protocol.

PROJECTS:

University of Maryland – College Park

College Park, MD

AWS Platform - Private Cloud Infrastructure Design and Analysis

September 2016

- Experimented with AWS Cloud Infrastructure Services and deployed Amazon Virtual Cloud launching EC2 instances.
- Configured security groups and gave elastic IPs to the instances to access the internet. Deployed various applications like OpenVPN and VyOS Software Infrastructure.

Cellular Base Station

April 2016 – May 2016

- Developed a Python-based cellular base station, with cellular communications concepts of hand-offs, channeling, successful call, call drops, sectoring, propagation losses and angle discrimination, amongst others.
- Used a modular approach, constructing each function used into a module and running the simulation scripts for successful call connections over a road length of 6km.

Telecommunication Engineering Centre

New Delhi, India

LAN Simulation

June 2013 – July 2013

- Designed virtual networks using various switching and routing protocols like STP and EIGRP, OSPF on CISCO Packet Tracer and security measures like NAT and ACL.
- Assisted with the demonstration of traffic handling using live routers and switches.