CURRICULUM VITAE

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OBJECTIVE

Desire to put up the best efforts towards the fulfillment of the challenging goals of the industry while utilizing my skills and abilities in a pursuit that offers professional growth and provides me with opportunities to be resourceful and innovative.

PROFESSIONAL SUMMARY

- Overall **2** plus years of experience as a Associate Network Engineer.
- Good Knowledge and experience in **TCP/IP**, **LAN** and **WAN** Technologies.
- Familiar with Router and Switch configurations.
- Good knowledge on **L2** and **L3** devices.
- Knowledge on **DHCP** and **DNS** concepts.

PROFESSIONAL EXPERIENCE

Impulse Internetworks

Period: Sep 1st 2011 to Sep 30th 2013

Designation: Associate Network Engineer

ROLES & RESPONSIBILITIES

- Part of network operation team responsible for monitoring and troubleshooting backbone network.
- Coordinating with customers and providing support on occasion of new server implementation and providing Network connectivity to it.
- Configuration of VLAN, VTP and Inter VLAN Routing.
- Providing LAN connectivity and troubleshooting LAN problems of customers.
- Configured STP on Cisco switches with different modes of STP like MSTP and RSTP with advanced STP features like BPDU guard, root guard and port fast.
- Performing backup of configuration and restoring of L2 and L3 devices on regular basis.
- Maintaining clients in terms of call handling, case handling and Emails and end to end follow-up on the cases, proper shift handovers with updates.
- Providing Network connectivity from switch to workstations.

TECHNICAL SKILLSET

Routing & Switching:

- Install, configure and administer Windows OS.
- Install, configure 1800, 2600, 2900, 1900, 2960, series of Routers & Switches. Awareness in DHCP, DNS, TCP/IP & OSI layers, IP sub-netting.
- IP sub netting FLSM, VLSM, SUPER NETTING designs.
- **Configuration of IOS** commands & Management.
- **Routing Protocols**- RIP, EIGRP, OSPF and BGP.
- **Routing & Switching Concepts**- ACL, NAT, PAT, STP, VLAN, VTP, Inter VLAN.
- WAN technologies like Leased lines and Frame-Relay.
- Expertise in IP Addressing - Sub netting, Super netting, VLSM.
- Configure traffic filters using **Access-lists, Distribute-Lists.**
- **NAT** configuration and troubleshooting (Static & dynamic **NAT**, **PAT**).
- Configure, verify and troubleshoot **VLAN, VTP** and **Trunking** Protocols.
- Configure and troubleshoot **Inter-Vlan** routing.
- Functions and operations of **Spanning Tree Protocols (STP).**

EDUCATION

- **M.Tech** (Digital Electronics and Communication Systems) from VTU-PG Studies, Mysuru, Karnataka in **2013-2015.**
- B.E in Telecommunication from Atria Institute of Technology, Bangalore, (VTU)**.**
- **2nd PUC** (PCMB) from P.E.S Hanumanthanagar, Bengaluru, Karnataka.
- **SSLC** from Govt. High School Thanisandra, Bengaluru, Karnataka.

PROFESSIONAL CERTIFICATIONS

1. **CISCO ID: CSCO12921951**
   CISCO Certified Network Associate - CCNA (Routing & Switching)
2. Mainframe Basics and Application Programming from KEONICS

ACADEMIC PROJECTS UNDERTAKEN DURING STUDIES

M.TECH PROJECT

PROJECT NAME: " PSR Protocol For Mobile Ad Hoc Networks By Using BFST And DHA".

DESCRIPTION: Opportunistically data transmission has drawn much focus in the research field of multiple hops in wireless networking. Most of the research scholars are conducted for migratory wireless networks. 'In MANET's one of the reason by not using opportunistically data transmission is lack of best rooting ability. In this project I'm proposing PSR protocol. PSR can hold more topologies data than DV rooting to provide source routing, compare to DSDV, OLSR and DSR it has less overheads. Security between wireless devices is very challenging work, but in this project secure data transmission between sources to destination is done mathematically by using DHA. This will protect from third parties, thefts and cyber crimes. To avoid real-time errors and analysis purpose this project is developed on computer simulator as NS-2.

SCOPE OF THIS PROJECT:

Whenever dynamic changes occur in network PSR starts immediate updating process, because of this every topology structure of tree will change periodically. Due to this we can get the proper path to reach a destination.

While compare PSR with DSDV, PSR having an immediate updation interval. Because of delay in tree updation with DSDV the packets will be dropped, while following PSR it will be reduced.

PSR will support for opportunistic data forwarding and source routing in MANET's but DSDV fails.

Secure data transmission between sources to destination is not implemented in the existing system because of its complex nature. In our project this concept has been successfully implemented.

Overall performance of PSR protocol using BFST and Diffie-Hellman algorithms is better compared DSDV protocol without BFST and Diffie-Hellman algorithms.

STRENGTHS

- Ability to work as a team member or individually.
- Self-confidence.
- Attitude for fast learning.
- Communication skills.
- Team player with leadership skills.
- Able to work in a fast paced environment and can work under pressure.
- Profound ability to explain and demonstrate the things.

PERSONAL DETAILS

Date of Birth	:	04th Nov.1979
Nationality	:	Indian
Passport Details	:	L3393518 (Valid till 2023)
Languages Known	:	English, Kannada, Telugu, Tamil and Hindi.
Hobbies	:	Sports, Chess, Listening to Music

PERSONALITY TRAITS

I am an ambitious person with high degree of dedication and devotion, have a strong will power and very positive attitude. I believe every tough job is more interesting. Added to technical skills, I have good communication skills and coordination skills.

Place: Bengaluru
V.VENKATARAMANA.