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| #202 Sai Shristi Apts 19th Cross RM Nagar Bangalore | RA V I KU M A R RE D D Y K | +91-7411340221  [ravikumark815@gmail.com](mailto:ravikumark815@gmail.com) |
| **OBJECTIVE** |  |  |
| Secure a responsible position that nurtures my Coding, Linux and Networking Skills while sharing my breadth of experience and abilities effecting mutual employees and employer growth and success.  **PROFESSIONAL EXPERIENCE** | | |
| Software Development Assoc Engineer SonicWALL Inc. September 2015 – Till Date   * Designed and Developed SonicOS firmware tools for version 6.2.7.X and higher. * Facilitated problem diagnosis and prompt resolution for issues reported by customers. * Collaborated with other Engineers on code reviews, test case reviews and process enhancements. * Project: SonicOS TSR Analysis Tool   Objective: To parse through the logs and reports sent by SonicWALLs across globe and display important information.  Languages Used: Python, JSON, HTML, CSS  Environment: Linux (Execution and Testing), Apache (Web Services), Kanban Board (Project Management), Jenkins (Deployment), Atom and MS Visual Studio Code (Editors).  E.Tech Support Sr. Associate SonicWALL Inc. June 2015 – August 2017   * Assist customers with deployment of SonicWALL network security products like SonicWALL TZs, SonicWALL NSAs. * Provide technical solutions and workarounds for end users on the Level 1 and Level 2 Calls on respective product line for Unified Threat Management. * Replicating various customer topologies and scenarios in laboratory environment. * Research and Analysis on Digital Certificates, * Layer 2 Networking: Switch Management, VTP, STP, VLAN, Flow Control and Framing, CDP & SDP * Layer 3 Networking: Static & Dynamic Routing, Policy Based Routing, Addressing, IGMP, IPsec, ARP * Layer 4 Networking : TCP, UDP, ESP, AH, ISAKMP * Layer 7 Protocols such as DNS, DHCP, HTTP/HTTPS, and NTP. * Assist with various Firewall features such as Content Filtering, Application Control, Signature based Control, Failover and Load Balancing.   **INTERNSHIPS** | | |
| Asst. Cloud Computing Trainer | IBNC, ACM | March, 2015 |
| * Theoretical concepts on Cloud Computing- Rudimentary concepts, Services (SAAS, PAAS, IAAS) * Virtualization and Cloud Computing * Creating a Linux server instance and a Microsoft IIS7 instance server using AWS services from Amazon. * Deploying a Website using AWS Services from Amazon. * Creating a Volume, attaching it, detaching it, mounting it and un-mounting it from an instance. | | |
| Asst. Networking Trainer | IBNC, ACM | January, 2015 |
| * Fundamental Classifications in Networks, OSI and TCP/IP Models. * Networking Devices, IPv4 Addressing and Sub netting. * Dynamic Host Configuration Protocol * Routing concepts and Protocols – RIP, RIPv2, EIGRP and OSPF * Switching and VLAN basics * Inter VLAN Routing, VTP and its modes, Port Fast. * Access Lists and their implementation. * Network Address Translation and Port Address Translation | |  |

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| **LANGUAGES AND TECHNOLOGIES** |
| Operating Environments **:** Windows, Linux, GNS  Software Languages **:** C, Python  Web **:** HTML, CSS, PHP |
| **TECHNICAL EXPERIENCE** |
| Certifications   * **Red Hat Certified System Administrator (RHCSA):** Pursuing course. * **Certified SonicWALL Security Administrator (CSSA):** License # 54A9-2099-DE5E-4B52, Organized by Dell SonicWALL * **Certified Cisco Networking Associate (CCNA):** Course Completed and en route to Exam * **Certified White Hat Hacker (CWHH):** Certified till Level 2, Organized by Computer Society of India (CSI) and Association of Computer Machinery (ACM) * **IBNC-Winter Program:** Completed Network Designing course corresponding to Cisco Devices conducted by IIT-Delhi and Association of Computer Machinery (ACM)   Personal Projects |
| * **SonicWALL Lab Portal** (HTML5, CSS, PHP and MySQL): Designed a Website for Dell SonicWALL Lab that shows availability of various Networking Devices and Servers available in SonicWALL Asia Pacific Region. The main function was to provide firewalls, switches, routers and server instances based on availability. Basic User Level Access and Outlook integration is used to keep track of the users. HTML5, CSS were used for Front End, PHP was used for connecting to MySQL Server, tracking the devices using ICMP and SNMP. * **Interfacing Automobiles with Android** (Arduino IDE, Android): An Arduino Uno R3 is embedded onto a scaled model of car. A Bluetooth module such as BT0417C is interfaced with the Arduino board to establish a secure communication medium between the mobile and the car. An Android application is developed and connected to the Bluetooth module for interfacing various features such as movement, lights and speed of the Car. * **Hospital Management System** (HTML, CSS, PHP, MySQL): Implementation of a Hospital Management System that involves replacing 90% of paper work in current system. The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully. System input contains patient details, diagnosis details and so on while system output is to get these details on to the screen. Main focus was on User Level Authentication, Network Security. * **Network Designing Projects** (GNS, Putty): Designed Networks for Campus Area Network, Company’s Infrastructure, Hospital Network, 3Layer Hierarchical model of Cisco in GNS and Putty.   Research Papers   * Research Paper published on **“Interfacing Automobiles with Smartphones”** in National Conference on Green Computing Technologies(NCGCT), IJRET 2015 (ISBN: 978-93-84935-31-3, IF:2.375, IC Value: 6.53 ) * Research Paper published on **“Detection of HTTP Based Botnets with Network Analyzers using Classifiers and Domain Name Filters”** in International Conference on Engineering, Science, Management and Advances in Research Technology, IJERT, 2015 (ISSN: 2278-0181 ID: ICESMART-CSE-082, IF: 1.76 |
| **ADDITIONAL EXPERIENCE** |
| * Won Q3 FY'16 Dell SonicWALL Quarterly OSAT and NPS Championship Award * Won IBNC (Networking Championship) at Zonal Level conducted by Association for Computer Machinery (ACM) and IIT, Delhi. * Completed Aptitude and Leadership skills course conducted by Centre for Innovation and Leadership during 2011-2013 * Secured a Rank of 9421 (87 Percentile) at national level in the 10th National IT Aptitude Test (2014) by NIIT (NITAT) |