**Vanya Dasari** vdasari1@terpmail.umd.edu

4324, Rowalt Drive #201, College Park, MD 20740 240-917-5060

**EDUCATION:**

**University of Maryland College Park, MD**

Master of Science, Telecommunications Engineering Expected May 2018

**Courses:** Networks and Protocols**,** AWS/PCS System Implementation**,** Introduction to Digital Communication Systems,

Network and Application Performance Analysis

**SRM University Chennai, TN, India**

Bachelor of Technology, Information and Telecommunication Engineering June 2016

**RELEVANT EXPERIENCE:**

**Project: SNORT As an Intrusion Prevention System – University of Maryland (duration: 2 months)** March 2017

* created virtual machines (hosts) on VMWare.
* ensured internet connectivity between the hosts, with one host as the default gateway.
* configured snort on the gateway host and performed brute force attack on another host.
* detected and prevented unlimited logins from any host (HTTP brute force)

**Project: GSM/LTE network coverage analysis using Mentum Planet 5.7 – University of Maryland (duration: 2 months)** Oct 2016

• Implemented the project in several phases to perform GSM/ LTE deployment

• Obtained network coverage in Downtown DC and nearby suburban areas by designing a network using 25 base stations in phase 1 and 2

• Regulated antenna parameters such as down tilt, power, and azimuth to get optimum coverage and to avoid drops if any

**Project: UDP protocol implementation in JAVA – University of Maryland (duration: 2 months)** Nov 2016

• Implemented a networking Java application consisting of a transmitter and a receiver using User Datagram Protocol sockets

• Ensured the reliability of data using timers, retransmission policies and integrity check algorithm

**Node Misbehaviour Detection using Overhearing and Autonomous Agent in Wireless Ad-hoc network with ECC implementation - SRM University, India (duration: 3 months)** May 2016

* Used NS-2 software in the implementation of overhearing detection and autonomous agents’ detection algorithm for identification of malicious nodes
* Implemented Ad-Hoc On-Demand Distance Vector (AODV) routing protocol for isolating the affected node and routing and improved network security using ECC algorithm
* Delivered a technical presentation and report on *Node Misbehaviour Detection using Overhearing and Autonomous Agent in Wireless Ad-hoc network with ECC implementation* at ICETCCCCT’16, Tamil Nadu, India

**Cisco Certified Network Associate Training - CMS IT Services, Chennai, India (duration: 2** **months)** June 2016

* Analysed and performed tracing in virtual network environment using Cisco Packet Tracer
* Gained proficiency in sub-netting and addressing in IPv4 and IPv6
* Gained understanding of the routing protocols, i.e., RIP, IGRP, EIGRP, OSPF and their implementation

**Summer Intern at Reliance Communications**, Chandigarh, India **(duration: 2 months)** June 2014

* **Project:** 3G, GSM architecture and network establishment ,knm
* Studied GSM and 3G architecture
* Gained knowledge about RF planning and microwave link planning
* Analysed the network key performance indicators for efficient network maintenance

**TECHNICAL SKILLS**

* Proficient with network simulation software like **Cisco Packet tracer, Riverbed Modeller and Cisco IOS**
* Familiar with RF network planning and optimisation tool: **Mentum Planet 5.7, ProScout**
* Familiar with virtualization software and Operating Systems: **VMware, Windows 10, Ubuntu**
* Familiar with intrusion detection and prevention tools: **SNORT**
* Familiar with sniffing tools: **WireShark, tshark**
* Proficient with programming languages: **Java, C++**
* Documentation skills: **MS Office Suite**
* Familiar with network routing and switching protocols: **VLAN, VTP, RIP, IGRP, EIGRP, OSPF, BGP, HSRP, L2TP, NetFlow**
* Knowledge of various WAN technologies and Authentications schemes**: NAT, PPP, Frame Relay, HDLC, VPN, ACL, RADIUS, TACACS+**

**ACTIVITIES/AFFILIATIONS**

* **Head of Public Relations**, **SRM Technical United Conference**, SRM University, India Jan - May 2016
* **Member** of **EWB-India**, Chennai Chapter (Engineers Without Borders), Tamil Nadu, India 2014-15