

# SRI KIRTHI SUSARLA

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## EDUCATION:

THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas, USA

**Master of Science in Telecommunications Engineering.**

May 2018

GPA: 3.46

Gandhi Institute of Technology and Management, Visakhapatnam, India

**Bachelor of Technology in Electronics and Communication Engineering.**

April 2016

GPA : 4

**CERTIFICATION: CCNA (Routing and Switching)      CISCO ID: CSC013298960**

## TECHNICAL SKILLS:

**Programming Languages:** C, Java, Python

**Protocols:** OSPF, BGP, RIP, TCP/IP, UDP, IPsec, EIGRP, VOIP, RTP, DHCP, SSH, SSL, DNS, FTP, HTTP, ICMP, firewalls.

**Tools:** Wireshark, Cisco Packet Tracer, GNS3, Virtual Box, VM ware.

**Cloud technologies:** AWS, Open Stack.

**Operating Systems:** Windows, Linux, UNIX.

## WORK EXPERIENCE:

**Wipro**

**PROJECT ENGINEER**

**August 2018- Present**

- Trained in Oracle SQL language and worked with DML,DDL and TCL commands.
- Trained in Relational DBMS concepts.
- Wrote structured queries in SQL and PL-SQL for given databases.
- Trained in JAVA and OOPS concepts
- Trained in Hadoop and worked with tools like Pig, HIVE, HBase, Sqoop Spark and MapReduce and performed some hands on assignments to get familiar with the syntax and commands.
- Learned about AGILE methodologies
- Got familiarized with concepts in HDFS architecture and Linux commands.

**SUMMER INTERN: The Defense Research and Development Organization at Hyderabad, INDIA**

**May 2015-July 2015**

Designed a Monolithic Tangent Ogive Radome using MATLAB and designed a GUI for the same. The main aim was to optimize the design by obtaining minimum aerodynamic drag.

## ACADEMIC PROJECTS:

**IOT Node programming: Using Core JAVA**

**Spring 2018**

- Developed a communication protocol using TCP/IP socket programming to implement communication between fog nodes (servers) on distributed systems which acts as a layer before interacting with cloud.

**Integrated DDOS and TTL Attack on the Domain Name System (DNS) – Using C, Virtual Box, Wireshark, LINUX**

**Spring 2017**

- Configured DNS Server, Attacked system, host system. Poisoned the DNS cache by spoofing the IP address to redirect the user to a malicious webpage and also changed the TTL value. We used Wireshark to sniff and examine the DNS Response packet.

**IP Mobility Support – Using Core Java: Socket Programming**

**Spring 2017**

- Created a client socket and server socket to connect to a remote host, send and receive data, close a connection, bind to a port, listen to incoming data, accept remote connections to port. The Mobile IP protocol was designed and implemented.

**Improving the quality of security in SDN using Floodlight Controller-Using Wireshark, Mininet, VMware, Java**

**Fall 2016**

- Used the method of deep packet inspection which is performed as a firewall feature to manage and avoid the malicious traffic, thus ensuring the security of the packet flow.

**Batch Processor – Using Core Java and XML**

**Fall 2016**

- Developed Java based parsing code for processing the XML files directly into existing hierarchy of Java domain objects. The XML files contain commands, which execute as a process and communicate using files or pipes.