

# Keerthan Chidanand

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## Education

- 2015–2019 **Manipal Institute of Technology Manipal,**  
*Electronics and Communication, Bachelor of Technology.*  
GPA - 7.94/10
- 2014 **Chethana PU College Bangalore,**  
*Mathematics and Computer Science, Class 12.*  
Percentage - 85
- 2014 **Ryan International School,**  
*Mathematics and Computer Science, Class 10.*  
Percentage - 73

## Experience

- Jun - Jul 18 **Network and Firewall testing Intern, WIJungle.**
- Manual testing of firewall and hotspot gateway software.
  - Analyzing test results and troubleshoot network errors.
  - Documenting test cases and maintaining test library.

## Projects

- Jan - Apr 19 **Denial of Service Attack and Prevention measures,** .
- Implemented DOS attack using Kali Linux and JMeter.
  - To deny connection to a Server.
  - Implementation of DMZ architecture.
- Nov - Dec 18 **ARP Spoofing,** .
- Address resolution protocol is L2 protocol to obtain MAC address of devices in same LAN. It is a simple protocol and can be easily falsified as another device to next switch/wireless router.
  - To obtain information of target.
  - To force user to use HTTP as Application layer protocol since HTTPS is encrypted.
- Feb - Apr 18 **Amazing Video Library using HTML/CSS/JS** , .
- The aim of this project is to create a website template according to user specifications.
  - <https://github.com/KEERTHAN28897/VideoLibrary.git>
- Mar - Apr 17 **Local area network speed test using Iperf** .
- iPerf is a widely used tool for network performance measurement and tuning.
  - Used different topology in order to measure speed of LAN.

## Training/Certifications

- July 2019 **Cisco IOS Labs on Udemy,** .
- Packet Tracer GUI, Connecting Cisco Devices, Base Configurations, Base Security.
  - Configure Telnet/SSH, VLANs/TRUNKS.
  - Inter VLAN ROUTING, Static Routing, DHCP, NAT, RIPv2.
- June 2018 **Data Communication of Network Services by Cisco on Coursera,** .
- Role of network services including DHCP and DNS.
  - Use Cisco Packet Tracer to configure a router to perform DHCP services for a LAN.
  - Explain use of IPv4 private addresses with NAT.
  - Compare TCP and UDP protocol operations for efficiency and reliability.

July 2018 **Home Networking Basics by Cisco on Coursera, .**

- o Build and secure a home wireless network.
- o Connect and configure a home wireless router in order to provide a secure connection to the Internet.
- o Describe common types of network security threats and attacks.
- o Explain how software tools can mitigate network security threats.

Oct 2018 **Introduction to Cisco Networking by Cisco on Coursera, .**

- o Describe the features and functions of various Cisco devices installed in a typical simple computer network.
- o Use the Packet Tracer simulation software to practice configuration tasks using the command line interface.
- o Connect and configure a Cisco switch and small business router in order to provide network connectivity in a small LAN environment.
- o Use a structured troubleshooting strategy to identify and fix network connectivity issue.

Nov 2018 **Programming Fundamentals by Duke University on Coursera, .**

- o This course is the first in the specialization Introduction to Programming in C.
- o Learn how to develop an algorithm, then progress to reading code and understanding how programming concepts relate to algorithms.

## Skills

Languages C/C++, Java, SQL

Web HTML,CSS ,JavaScript

Technologies

OS Windows, Linux

Utilites JMeter, Nmap, IPerf, Wireshark

Communication English, Kannada, Hindi

## Open Elective Courses

3rd Sem Essentials of IT

6th Sem Data Structures and Algorithms

6th Sem Database Management System

7th Sem Wireless Sensor Networks

## Extra Curriculars

Jan - Apr 19 Manipal Institue of Technology Cricket team

Jan - Feb 19 Manipal University Cricket team