

## CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

**BALGURI MANISH RAO**

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Student

**K L University**

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Academy Name

**India**

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Location

**14 Mar 2023**

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Date



Laura Quintana  
VP & General Manager, Cisco Networking Academy

## CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

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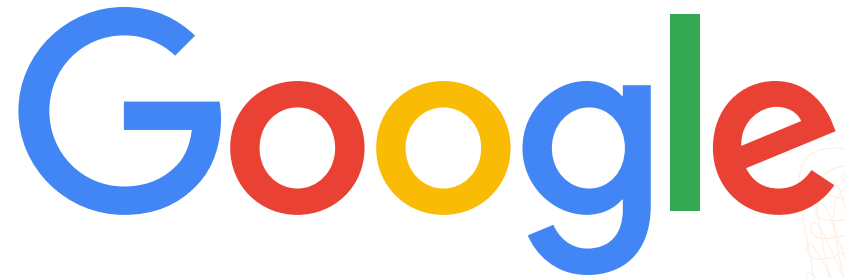
**14 Mar 2023**

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Date



Laura Quintana  
VP & General Manager, Cisco Networking Academy



Apr 14, 2023

**Balguri Manish Rao**

has successfully completed

**The Bits and Bytes of Computer Networking**

an online non-credit course authorized by Google and offered through Coursera

**Google**

Google

COURSE  
CERTIFICATE



Verify at:

<https://coursera.org/verify/U4BLAQJM5EU2>

Coursera has confirmed the identity of this individual and their participation in the course.



## Certificate of Completion

Congratulations, Manish Rao

### Getting Started with Network Administration

Learning Path completed on Mar 30, 2023 at 03:56PM UTC • 10 hours 32 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

#### Top skills covered

Technical Support, Network Administration, Cisco Systems Products, Networking, Windows Server

A handwritten signature in black ink, appearing to read "Dan Bodnar".

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate ID: ATliViAPU7xpomrPvO2bY6YDI7YS