Gourish Manjunath Magganamane

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Professional Summary

Aspiring Network Engineer currently advancing through the CCNA 200-301 curriculum. I have established a strong foundation in Network Fundamentals (OSI/TCP-IP), Layer 2 Switching logic, and Basic Device Security. I am proficient in the Cisco IOS CLI (Command Line Interface) and am currently expanding my knowledge into IPv4 Subnetting and Routing protocols. Fully available for the 6:30 PM – 2:30 AM work schedule.

Education

Kristu Jayanti College (Deemed to be University) Bengaluru
Master of Computer Applications (MCA) *2024 – 2026*

Kristu Jayanti College Bengaluru
Bachelor of Computer Applications (BCA) – 80% *2021 – 2024*

Technical Skills

Core Competencies (Completed Modules):
Network Fundamentals: OSI & TCP/IP Models, Cabling Types (Copper/Fiber), Interface Status Codes
Switching Logic: Ethernet Frames, MAC Address Table analysis (Learning/Forwarding/Flooding)
Cisco IOS: CLI Navigation (User/Priv/Global modes), Configuration Management (copy run start)
Device Security: Hostname Config, Service Password Encryption, Enable Secret (MD5), Banner MOTD
Addressing: IPv4 Classful Addressing (A/B/C), Private vs. Public IP ranges, Interface Configuration

Current Learning Focus (In Progress):
Advanced Addressing: IPv4 Subnetting (VLSM/FLSM), Binary conversion
Routing: Static Routes, Dynamic Routing Protocols (OSPF)

Projects (Cisco Packet Tracer)

1. **IOS Device Initialization & Hardening (Router & Switch)**
   - Deployed a Router-on-a-Stick topology to practice complete "Day 1" configuration via the CLI.
   - Implemented Management Plane security by configuring `enable secret` (MD5 hashing) and `service password-encryption`.
   - Secured VTY (Telnet/SSH) and Console lines with login authentication to prevent unauthorized administrative access.
   - Configured Layer 3 connectivity by assigning IP addresses to GigabitEthernet interfaces and verifying status with `show ip int brief`.
2. **Switched LAN Analysis & Interface Management**
   - Simulated a Local Area Network (LAN) to analyze Layer 2 forwarding decisions.
   - Inspected the `show mac address-table` output to verify dynamic MAC learning, aging time, and frame flooding behavior.
   - Troubleshot Layer 1/2 issues by identifying Duplex Mismatches and Speed settings on switch ports.
   - **Outcome:** Demonstrated a clear understanding of how Frames are encapsulated and moved through the Data Link Layer.

Certifications / Training

CCNA 200-301 Training – In Progress (Completed: Network Fundamentals, Switching, Security Basics)
Rising Star – Automation (RPA) – Celonis (Dec 2023)