

Koushik Roy

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EDUCATION

Dr. B. C. Roy Engineering College Master of Computer Application (MCA); CGPA: 8.18 Michael Madhusudan Memorial College Bachelor of Computer Application (BCA) ; CGPA: 8.56	Durgapur, India June 2021 - July 2023 Durgapur, India June 2018 - August 2021
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SKILLS SUMMARY

- **Networking:** TCP/IP, OSPF, BGP, VLANs, Routing & Switching, Subnetting, NAT, STP, DHCP, DNS
- **Network Tools:** Cisco Packet Tracer, Wireshark, GNS3, EVE-NG
- **Cloud:** Basics of AWS (VPC, EC2)
- **Programming:** Python (for network automation)
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows Server
- **Soft Skills:** Strong Communication, Team Leadership, Problem-Solving

WORK EXPERIENCE

Founder & Network Engineer SF LINK	2023 – Present
<ul style="list-style-type: none">○ Established and managed a website & app development company, overseeing network infrastructure setup for clients.○ Designed and deployed small office networks, ensuring reliable connectivity and secure communication.○ Configured and managed routers, switches, VLANs, and subnetting to optimize network performance.○ Provided network troubleshooting and support for clients, minimizing downtime and improving efficiency.○ Assisted businesses in basic cloud integration for improved scalability and remote access.○ Led a team in delivering customized IT solutions, focusing on network security and infrastructure management.	

PROJECTS

Network Design for ACCOUNTS & DELIVERY Departments LINK
<ul style="list-style-type: none">○ Designed and implemented a network in Cisco Packet Tracer connecting two departments.○ Configured routers, switches, and PCs using 192.168.40.0 subnetting.○ Assigned static IP addresses and set up appropriate cabling for communication.○ Successfully tested network connectivity between all devices.
Small Office Home Office Network Design & Implementation LINK
<ul style="list-style-type: none">○ Designed and implemented a SOHO network for a branch office, ensuring seamless inter-department communication.○ Configured VLANs for three departments (Admin/IT, Finance/HR, and Customer Service/Reception).○ Set up Router-on-a-Stick Inter-VLAN Routing for efficient data flow.○ Implemented DHCP Server for automatic IPv4 addressing.○ Deployed Cisco Access Point for wireless connectivity.○ Conducted network testing and troubleshooting to ensure optimal performance.
University Campus Network Design & Implementation LINK
<ul style="list-style-type: none">○ Designed and implemented a campus-wide network for ABC University, India, connecting two campuses 20 miles apart.○ Configured VLANs for departments: Management, HR, Finance, Business, Engineering/Computing, Art & Design, and Health Sciences.○ Deployed Router-on-a-Stick Inter-VLAN Routing for seamless communication between departments.○ Implemented DHCP Server for dynamic IP allocation in administrative offices.○ Configured RIPv2 for internal routing and static routing for external cloud-hosted email servers.○ Applied switchport security and SSH for enhanced security and remote management.○ Conducted network testing and troubleshooting using Cisco Packet Tracer.

CERTIFICATES

CCNA (Cisco Certified Network Associate) CERTIFICATE
<ul style="list-style-type: none">○ Gained expertise in routing & switching, subnetting, VLANs, OSPF, and BGP.○ Hands-on experience with Cisco Packet Tracer and real-world network troubleshooting.
Network Addressing and Basic Troubleshooting (Cisco Networking Academy) CERTIFICATE
<ul style="list-style-type: none">○ Understanding of physical, data link, and network layers, ensuring end-to-end connectivity.○ Gained expertise in IPv6 addressing, neighbour discovery process, and network troubleshooting.
Networking Basics (Cisco Networking Academy) CERTIFICATE
<ul style="list-style-type: none">○ Learned fundamental networking concepts, including TCP/IP, OSI model, and network security.○ Practical experience in configuring routers, switches, and basic network topologies.