

Amrutha Kandula

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Master's Graduate Computer Science student with a passion for network engineering. Skilled in network protocols, routing, switching, and infrastructure management. Hands-on experience in designing, configuring, and optimizing networks. Certified in networking fundamentals and eager to apply expertise in enterprise solutions. Seeking opportunities to enhance network performance and build scalable infrastructures.

EXPERIENCE

Avineon India Pvt Ltd

Network Engineer

08/2022 – 06/2023

Designed and implemented robust network solutions to enhance connectivity and performance across multiple locations, ensuring seamless communication and data transfer. Configured and maintained routers, switches, and firewalls to optimize network performance and security. Monitored network activity using tools like Wireshark and SolarWinds, troubleshooting issues to minimize downtime and improve reliability. Additionally, provided technical support and training to end-users, enhancing overall user experience and productivity.

PROJECTS

MSME RAILWAY PROJECT

03/2021

Lead Role

Andhra Pradesh, India

- Automated Segregation of Human Waste and Other Plastic Materials.

SKILLS

- **Tools:** Wireshark, Cisco Packet Tracer, Nmap, PuTTY, GNS3, Metasploit, Kali Linux, Burp Suite, Snort, Splunk.
- **Design Skills:** Network Architecture Design, IP Addressing and Subnetting, Documentation and Diagrams, Security Architecture Design, Access Control Design, Incident Response Planning. Mapping, User Research, Usability Testing, A/B Testing, Wireframing, Prototyping, Design Systems & Sprints
- **Technical Skills:** TCP/IP Fundamentals, Network Configuration and Management, Subnetting and IP Addressing, Network Protocols, Wireless Networking, Network Monitoring and Troubleshooting, Firewall and VPN Technologies, Basic Security Concepts, Risk Management and Assessment, Security Tools and Technologies, Web Application Security.

EDUCATION

Rivier University, Nashua, NH, USA

09/2023 – 05/2025

M.S in Computer Science