

AMAN SINGH

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EDUCATION

Vellore Institute Of Technology

B-tech in Computer science & Engineering - **CGPA - 7.56/10**

Dec 2020 – Jul 2024

Vellore, India

Shikshadeep Collage

NEB - Science - **GPA - 3.06/4.0**

Jul 2018 – Apr 2020

TECHNICAL SKILLS

Networking: TCP/IP, Routers, Switches, LAN/WAN

IP Services DNS, DHCP, IPv4, IPv6, VLANs, NAT

Tools/Skills: Cisco, VS Code, Python, Java, Wireshark, KaliLinux

Soft Skills: Leadership, Tour Management, Writing, Time Management

EXPERIENCE

Intern - Network Kings [↗](#)

- Gained hands-on experience in designing and configuring network infrastructures, including routing, switching, and security protocols.
- Worked on real-world network simulation projects using Cisco Packet Tracer
- Gained knowledge of key networking concepts such as TCP/IP, subnetting, Switch and routing .
- Working on: CISCO Routers 2300, 3900 series and CISCO Switches - 2960, 3560, 3750 Series.

PROJECTS

SecureLink: A Secure Network for Telecommunication Company [↗](#) | CISCO

- This project focuses on designing and implementing a secure network for a telecommunication company with two floors hosting various departments, using Cisco devices for VoIP, WLAN, and central management.
- The company requires a high-performance, scalable, and redundant network infrastructure, utilizing specific IP address ranges for WLAN, LAN, Voice, DMZ, and public addresses. .

Campus Connect Blueprint Using Cisco Packet Tracer [↗](#) | CISCO

- This project aims to provides a comprehensive network structure for a large campus, using multiple routing protocols and Frame Relay technology to manage traffic, ensure security, and enable seamless communication between various departments and buildings.
- The Objectives of this project is to design and simulate a company network using Cisco Packet Tracer, focusing on gaining hands-on experience with network setup and understanding key networking protocols.

Chatbot Based on BERT [↗](#) | Python

- Created a chatbot for a Networking Company which is selling the Software and Hardware products, throughout the world. Created a single Chatbot for their customers, marketing people and Service personals to review the products. With the support of Bidirectional Encoder Representations from Transformers (BERT) system.
- BERT can be used to understand and process user inputs more accurately by leveraging its ability to understand the context of sentences in both directions (before and after the word). Library used os, unicodedata, run test, numpy, random.

CERTIFICATIONS

Microsoft Certified: Security, Compliance, and Identity Fundamentals[↗](#)

- Microsoft Certified: Security, Compliance, and Identity Fundamentals—demonstrates expertise in cybersecurity, compliance, and identity management. Essential skills for protecting digital assets and ensuring regulatory compliance.

Pursuing Cisco Certified Network Associate (CCNA) 200-301 certificate

HONORS/ACCOMPLISHMENTS

- COMPEX Scholarship: Fully-funded 4-year B.Tech scholarship by Indian Embassy,Nepal.