### **AMIT KUMAR**

**📧** [**AKUMARAD@CONNECT.UST.HK**](https://mailto:AKUMARAD@connect.ust.hk/) **| 🔗** [**LINKEDIN**](http://www.linkedin.com/in/amikum-43a9a1215) **IANG VISA | 🖥️ CCNA™ | Network Engineer | Telecom Specialist | Cybersecurity**

#### **PROFESSIONAL SUMMARY**

Highly skilled Network Engineer with over 15 years of experience in network implementation, operation, and maintenance across telecommunications and IT infrastructure. Proficient in network protocols (ISIS, OSPF, BGP, MPLS, VXLAN, WLAN) and Huawei’s networking products. Adept at network monitoring, protocol analysis, and troubleshooting using tools like Wireshark to optimize performance. Strong communication skills in English with a proven ability to work independently and deliver within SLA parameters. Holds CCNA-level expertise (pursuing CCNP certification) and multiple industry certifications, including Cisco Network Automation and IBM DevOps.

#### **TECHNICAL SKILLS**

* **Network Protocols: ISIS, OSPF, BGP, MPLS, VXLAN, WLAN, STP, HSRP, VRRP**
* **Huawei Technologies: NE/CE/S/AR series, USG/Eudemon firewalls, AP/AC wireless, NCE/eSight management**
* **Network Tools: Wireshark, Cisco Packet Tracer**
* **Automation & Programming: Ansible, Python, C++, C, TCL, Bash, APIs, NetDevOps**
* **IT Infrastructure: Server Management, Virtualization (VMware, KVM), DBMS (MySQL, Oracle)**
* **Operating Systems: Linux, Windows Server, Cisco IOS, Huawei VRP**

#### **RELEVANT EXPERIENCE**

**Hong Kong Applied Science & Technology Research Institute (ASTRI)***Lead Engineer | Sep 2020 – Sep 2023*

* Designed and tested 5G NR base stations for heterogeneous networks, ensuring 3GPP compliance through functional, performance, stress, and regression testing.
* Developed and maintained test infrastructure using bash, TCL, C++, and C for FPGA and SoC platforms, enhancing system verification efficiency.
* Performed network protocol analysis using Wireshark to troubleshoot and optimize network performance, reducing latency in mission-critical IoT systems.

**Bharat Sanchar Nigam Limited (BSNL)***Junior Telecom Officer (Assistant Manager) | Aug 2003 – Aug 2019*

* Managed EMS/NMS for ASON-based Optical Transport Networks (Huawei OptiX OSN 9500, FiberHome FONST 5000), optimizing IP network performance and DWDM channels.
* Conducted network monitoring and packet analysis to troubleshoot faults, minimizing downtime and ensuring service restoration within SLA.
* Implemented and maintained MPLS, OSPF, and BGP protocols across pan-India networks, improving DCN efficiency and traffic rerouting.

**Guru Gobind Singh Indraprastha University***Visiting Faculty (Automation & Robotics) | Aug 2024 – Dec 2024*

* Taught "Software Engineering" including SDLC, Agile, and Scrum methodologies
* Educated students on e-commerce systems and IT/ network infrastructure

#### **EDUCATION & CERTIFICATIONS**

* **M.S. Telecommunications** | Hong Kong University of Science & Technology | GPA: 3.6/4.3
* **B.E. Electronics & Communication** | Netaji Subhas Institute of Technology
* **Certifications:**
	+ Cisco Certified Network Associate (CCNA)
	+ Cisco Network Automation Engineering Fundamentals (APIs, NetDevOps, Ansible, ModelDriven Programmability)
	+ IBM DevOps and Software Engineering Professional Certificate (CI/CD, Containers, Agile, Scrum)
	+ Blockchain Council Certified Blockchain Architect
	+ Google IT Support Professional Certificate (Networking, System Administration, IT Security)
	+ Microsoft IT Support Professional Certificate (Secure Networking, Diagnostics)