

## NEERAJ KUMAR

### SUMMARY

A highly competent and value-driven Professional with over five years of comprehensive experience in the Telecommunication Industry, a deep understanding of Technology with a focus on delivering business solutions. Excellent communication skills with the ability to relate to people at any level of business and management. Ability to manage multiple priorities in a rapidly changing environment. Possess valuable insights, keen analysis, and a team approach to implement best practices to achieve business excellence.

### SKILLS & ABILITIES

- **Protocol & Configuration:** MPLS, ERPS, VPLS, TCP/IP, VLAN, EoS, SDH, SDH traffic engineering, IP optimizations.
- **Tools & Applications:** Map-Info, Pathloss-5, Google Earth, EMS.
- **Servers:** Huawei I Manager U2000, App Go Global. App Cera Map.
- **Hardware:** NPT-1200, XDM-100/300/900, OSNx8/16, Huawei RTN-905/910/950.

### HIGHLIGHTS AND ACHIEVEMENTS

- Awarded **Star of the Month Award** for outstanding work in merging Vodafone and Idea networks while working for Vodafone Idea Limited.
- Awarded "**Achiever of the Month**" for outstanding contributions to microwave WFM KPI improvements while working for Nokia Solutions and Networks.
- Awarded as "**Rising Star**" with a cash prize at Vodafone Mobile Service Limited for contribution to BSC Project.
- Awarded "**Certificate of Excellence**" in all the three training courses of the Employability Enhancement Training Program at BSNL (largest Indian state-owned telecom company).

### PROFESSIONAL EXPERIENCE

#### MANAGER- MOBILITY INCIDENT MANAGEMENT

#### VODAFONE IDEA LIMITED, HYDERABAD

#### 5th August 2019- Present

Roles & Responsibilities:

- Troubleshooting of issues related to Circuit Provisioning, NE/Card installation & commissioning, traffic Shifting/Up-gradation depending upon the fault.
- Restoration of traffic Outage happened due to Fiber Cut, NE Malfunctioning, and Other Network Failure strictly within the provided maintenance windows and SLAs.
- Coordination with other verticals of NOC for better network health and minimize the traffic outages by resolving their issue more efficiently.
- Generation of daily alarm reports of the entire network to clear unwanted alarms and creating performance reports for all the activities of the NOC-fault team.
- Coordination with Vendors (ECI, Huawei, Ceragon, and NEC) Tech support for solving the issues related to the installed transmission equipment.
- Daily cooperation with the Operation and Maintenance team to carry all the planned outages and rectification activities in the network.

### **ACCESS OPTICAL ENGINEER**

#### **NOKIA SOLUTIONS AND NETWORK, PATNA**

**3rd November 2016-31st July 2019**

- Routine alarm monitoring and fault rectification through NMS. Including closure within a stipulated time to maintain the network outage within the benchmark.
- Migration of circuits to augment the capacity of a link viz. STM1 to STM4, STM4 to STM16 at E1, AU-4, and VC-4 level.
- Coordinating and supporting field engineers to plan and execute network solutions. Completing work to expand network capacity and reduce network outages.
- Planning the path for critical circuits of the network (STP, HLR, IN, EoS) and implementing it as the scheme.
- Root-cause analysis and correction of network outages to reduce the occurrence of duplication and the cause of faults.
- To take care of bottlenecks in the transport network and implement better planning and strategies to eliminate bottlenecks and choking in the network.

### **SENIOR EXECUTIVE, TRANSMISSION PLANNING**

#### **VODAFONE MOBILE SERVICE LIMITED, RANCHI**

**3rd August 2015-2nd November 2016**

- Planning and designing new technology according to market trends, keeping a close watch on the latest market and technological trends.
- Proper planning of microwaves, optical fiber links, and SDH mux nodes to reduce costs according to sites in the network.
- Optimization of the bandwidth of the network for capacity building with proper transmission path planning to obtain appropriate bandwidth for other circuits.
- Regular monitoring and utilization of link-usage reports from the central team and proactive decision making for capacity upgrades as per business forecast.
- Inventory management for proper roll-out and timely execution and CAPEX and OPEX savings by optimizing existing networks.
- Proper planning and optimization of existing networks according to network requirements. Ensuring service links in the network are well protected and implemented with optimal redundancy.

### **INTERSHIP- EMPLOYABILITY ENHANCEMENT TRAINING PROGRAMME**

#### **BHARAT SANCHAR NIGAM LIMITED, ARTTC, RANCHI**

**19rd July 2013-22nd December 2014 (Weekend)**

- **PLATINUM CERTIFICATION:** IP Networking & Cyber Security and Mobile Communication.
- **GOLD CERTIFICATION:** Optical Fibre Technology and Broadband Technology.
- **SILVER CERTIFICATION:** Digital Switching System, Digital Transmission System and Telecom Support Infrastructure.

**NOTABLE  
PROFESSIONAL  
PROJECTS**

**RAFTAAR-ERPS TO MPLS CONVERSION OF VODAFONE ,MUMBAI CIRCLE**

**NOKIA SOLUTIONS AND NETWORKS ( MARCH 2019- JULY 2019)**

While working for Nokia, I got a chance to work on one of the most captivating projects of my entire carrier - RAFTAAR. The purpose of this project was to make Mumbai Circle's network extra fast, secure, and reliable. Therefore, we needed to convert the Vodafone network of Mumbai Circle from Ethernet Circle Protection Switching (ERPS) to Multi-Protocol Level Switching (MPLS). This project was quite challenging due to the sizable network and a short timeline. We took up the challenge and completed the project well ahead of the given timeline. For our work on this project, our team received appreciation from both Vodafone and Nokia.

**FORMULA-1 NETWORK EXCELLENCE PROJECT, BIHAR CIRCLE**

**VODAFONE MOBILE SERVICE LIMITED ( MARCH 2016- OCTOBER 2016)**

During the very early days of my career, I got a chance to work on the BSC optimization project Formula-1. The main objective of this project was to enhance good customer experiences by capacity building, security improvement, and proper link utilization by BSC optimization using Bihar Circle's existing resources. I took this opportunity and designed an optimal network according to the needs of the organization. After full implementation of the project, link utilization, capacity building, and site security improved considerably. Later, I received the Rising Star Award for my contribution to this project.

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**NOTABLE  
ACADEMIC  
PROJECTS**

**DTMF CONTROLLED ROBOT WITHOUT MICROCONTROLLER**

**RANCHI UNIVERSITY (JANUARY 2015-JUNE 2015)**

As my final major engineering project, I built a dual-tone multi-frequency (DTMF) robot without using a microcontroller. The movement of the robot is control with the help of various keypads of a mobile phone. Each key of a mobile-phone produces a tone, Which is a combination of two frequencies — one high and the other low frequency. At the receiver end of the robot, we receive these signals via another mobile phone. Then these frequencies are decoded by the decoder IC in a binary sequence. These binary sequences of 4 bits are then given directly to the driver IC to drive the two motors. These motors rotate according to the decoded output. Which helps control the movement of the robot.

**ULTRASONIC RADAR**

**PRANAV(DECEMBER 2013) & GENESIS (MAY 2014)**

During the third year of my engineering, I got a chance to participate in the Project Competition-PRANAV at NIFFT, Ranchi. To participate in this Competition, I built an ultrasonic Radar. I mounted an ultrasonic sensor on top of a servo motor and then connected the ultrasonic sensor and servo motor to the Arduino Uno via the breadboard. After that, I established connectivity between the Arduino Uno and a laptop to complete hardware connectivity. After hardware connectivity, I fed a set of programming codes to the Arduino IDE and processing applications to run the Radar. Although I did not win any awards there, it allowed me to understand my mistakes. Following that year, I participated in our college Techfest-Genesis with the same project and won the first prize in the innovation category.

## UNDERGRADUATE STUDIIES

- **Programming:** The first programming language I learned was C ++. The concepts of C ++ taught me to approach any problem logically and systematically.
- **Mathematics:** I was not much interested in calculus and algebra as a high school student because I was unable to establish its practical application. However, my thoughts changed after learning its practical use in various fields related to communication engineering. This led to my curiosity and fascination for the concepts of calculus, algebra, probability, and statistics.
- **Electromagnetics:** An antenna is the backbone of any communication system. Electromagnetics was the subject that taught me how an antenna works and the standard engineering associated with antenna technology. It was fascinating for me to learn its practical use.
- **Communication Hardware Design:** I was delighted to learn Communication Hardware Design and its applications. It was one of my favorite subjects during my Bachelor's. This subject taught me about different modulation/demodulation techniques, amplifiers, and mixers. It was intriguing to learn how it manages various communication hardware to work together.
- **Digital Signal Processing:** This topic is the backbone of the communication system. In digital signal processing, I learned how to process analog signals into digital signals. How important it is to perform mathematical work for error-free communication and signal extraction. I liked this topic very much and even today I keep reading articles on this subject.

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## EDUCATION

- **BACHELOR OF TECHNOLOGY (ELECTRONICS AND COMMUNICATION ENGINEERING)  
RANCHI UNIVERSITY, RANCHI (2011-15)**  
Secured 8.3 CGPA on a scale of 10
- **SENIOR SCHOOL CERTIFICATE EXAMINATION, 2010  
GURUNANAK HR. SEC SCHOOL, RANCHI**  
Secured 68.8 % marks with majors in PCM (Physics, Chemistry and Mathematics).
- **SECONDARY SCHOOL EXAMINATION, 2008  
JAWAHAR NAVODAYA VIDYALAYA, GANDEY, GIRIDIH**  
Secured 82.8 % marks.

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## HOBBIES AND INTERESTS

- Listening to music.
- Playing Handball & Badminton.

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## PERSONAL DETAILS

**Date of Birth:** 5th February 1992  
**Languages Known:** English and Hindi.  
**Address:** Rajendra Nagar, Giridih, Jharkhand, India -815301