

Curriculum Vitae

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RAHUL KAUL
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CAREER OBJECTIVE

Currently looking for job opportunity in Telecommunication Network domain, so as to work with a firm where I can apply my networking knowledge in an effective way in order to achieve personal as well as organizational goals through a continuous learning process. As may be evident from this C.V., my field of interest is in Telecommunication Technologies and would like to further widen my knowledge in this area. Further I have done CCNA R&S certification to add to my academic knowledge profile and would like to touch the pinnacle of final stage of this Cisco Certification track.

TECHNICAL SKILLS

- **Communication Networking (Configure, verify and troubleshoot)**
 - Network Fundamentals : LAN, MAN,WAN, OSI layer, TCP/IP protocol stack, IPv4/v6 addressing
 - LAN Switching technologies : VLANs, VTP, STP, Ether Channel
 - Routing Technologies : Routing table, Inter VLAN routing, Static, Dynamic, Default, RIP, EIGRP, OSPF, BGP
 - WAN Technologies : HDLC, PPP, MLPPP, GRE, MPLS, PPPoE, Internet VPN
 - Infrastructure Services : DNS, DHCP, FHRP- HSRP, NAT, NTP, QoS
 - Infrastructure Security : Port Security, ACLs, Layer 2 attacks and mitigation, Basic device hardening, AAA
 - Infrastructure Management : Initial device configure, SMNP, Syslog, CDP, LLDP, SPAN, Cisco IOS tools
- **Simulation Softwares**
 - Network Simulation : Cisco Packet Tracer, Graphical Network Simulator 3
 - Antenna Simulation : Advanced Design System, Integral Equation 3D, High Frequency Structure Simulator

TECHNICAL CERTIFICATES / COURSES

✓ **Cisco Certified Network Associate in Routing and Switching**

Exam Number 200-125
Grade Pass
Cisco ID CSC013123611
Registration ID 311008267
Validation ID 690021057

- **Basic MPLS Layer3 VPN course for understanding Service Provider network anatomy.**
- **CCNP R&S course as a next certification level to pass.**

ACADEMIC PROJECTS / RESEARCH

➤ **Design of Microstrip Antennas for Glucometer Application (M.E. Project, Year : 2014-2016)**

In this project, Low profile microstrip antennas for glucometer application are proposed. As dielectric constant of the material as a superstrate placed above antenna changes, resonant characteristic of antenna varies and shift in the frequency is observed. The proposed microstrip antenna resonators are designed using Advanced Design System 2015.01 for an operating frequency as low as 1 GHz. The operating frequency of antenna should be low as the low frequency microwave signal penetrate deep into tissues and have potential for practical application because of low physical area, low cost and better frequency resolution. Further, a high frequency resolution i.e. for a small change in glucose concentration leads to considerable shift in operating frequency, is achieved. The proposed microstrip antennas are designed and tested with aqueous glucose superstrate. This is advancement towards developing microstrip sensor for non-invasive glucometer application.

➤ **GSM Based Intelligent Street Lighting Control And Efficient Power Management (B.E. Project, Year : 2009-2013)**

This project efficiently defines the control of street lightning system and thereby saving electricity which is a major concern worldwide. It also describes the use of wireless sensor networks using GSM for streetlight monitoring and control. This system would provide a remote access for streetlight maintenance and control. It also discusses an intelligent system that takes automatic decisions for luminous control (ON/OFF/DIMMING) considering surrounding light intensity and time of the day both at the same moment. The system also senses various parameters like surrounding temperature, fog, carbon emissions, and noise intensities and suggests corrective measures. Power theft control is also integrated in the same system. The efficiency of the system is designed such that it can be readily installed in present on road conditions with extra cost of only a single controlling computer. The system is compatible to solar cell installation.

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ACADEMIC ACHIEVEMENTS

I have received certificates during my academics for various accounts as a participant or as a winner in paper presentation and project display, some of them are as follows:

- ✓ Published paper “Design of Microstrip Antennas for Glucometer Application” in *IEEE International Conference on Advances in Electronics, Communication and Computer Technology*, at Rajarshi Shahu College of Engineering, Pune, Dec-2016.
- ✓ Project “GSM Based Intelligent Street Lighting Control And Efficient Power Management”
 - ❖ Published paper in *International Journal of Engineering Trends and Technology- Volume4, Issue1- 2013*.
 - ❖ 1st prize winner in technical paper presentation at Thadomal Shahani Engineering College, Bandra.
 - ❖ 2nd prize winner in technical paper presentation at Bharti Vidyapeeth College of Engineering, Belapur.
 - ❖ 3rd prize winner in project showcase at Vidyavardhini's College of Engineering and Technology, Vasai.
- ✓ Attended workshops on “RF Filter Design” and “Wireless Sensor Networks Using Network Simulator” at St. Francis Institute of Technology, Borivali.

ACADEMIC QUALIFICATIONS

Degree Master of Engineering in Electronics and Telecommunication

University Mumbai University

Batch / Grade 2014 to 2016 / Passed with 8.05 CGPI

College St. Francis Institute of Technology, Mount Francis , Mount Poinsur ,S V P Road, Post Box No .8456, Borivli (West) Mumbai 400 103

Semester	I	II	III	IV
SGPI	6.41	7.05	10	10

Degree Bachelor of Engineering in Electronics and Telecommunication

University Mumbai University

Batch / Grade 2009 to 2013 / Passed with 1st class

College Vidyavardhini's College of Engineering and Technology, K.T. Marg, Vasai Road (W), Vasai, Maharashtra 401202

Semester	I	II	III	IV	V	VI	VII	VIII
Percentage (%)	54	57	56	64	59	61	61	68

Examination **School** **Percentage (%)** **Year of Passing**

SSC	John XXIII High School, Virar	80	2007
HSC	Viva College, Virar	75	2009

PERSONAL DETAILS

Date of Birth 16/3/1992

Languages Kashmiri, Hindi, Marathi , English

Marital Status Single

Key Strengths Good grasping power and punctuality.

Believe in “All that we are is result of what we have thought. The mind is everything. What you think you become.” - Gautam Buddha

All declarations done above by me have supporting documents for proof and will be made available on request.

RAHUL KAUL

Date – 27/03/2017