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| Curriculum Vitae |  |
| Career Goals | To work in an international diverse, dynamic, challenging, research environment, learning and expanding my horizon creating a value for my group by my knowledge and performance. |
| Research Interests | Radio Resource Management, Advanced Signal Processing, Multi-User MIMO Wireless Communication, LTE Advanced |

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| Personal information | |
| Name | Rajesh Kumar |
| Permanent Address | House number No.5, Swadhin Marg, Hawa Sarak Postcode 302006, Jaipur, Rajasthan, India |
| Temporary Address | International Master on Communication Networks Engineering Scuola Superiore Sant'Anna Center of Excellence for Communication, Information and Perception Engineering Area della Ricerca CNR Via Moruzzi, 1, Italy |
| Telephone(s) | +91-141-2215973 Mobile: +39-3894762209 |
| E-mail | rajeshku31985@gmail.com , rajesh.kumar@sssup.it |
| Nationality | Indian, Passport No.Z-1348845, Date of issue: 15-2-07, Date of Expiry: 14-2-2017 |
| Date of birth | 01-01-1985 |
| Gender | Male |
| Marital Status | Unmarried |
| Work experience | |
| Dates | 15 th March 2010-30 th October 2010 |
| Organization | Telecom Italia Labs (Largest Telecom Operator in Italy) |
| Principal Subjects | 1. Interference Avoidance, Mitigation and cancellation in Multi-User MIMO. 2. Energy Efficiency in Cellular Mobile paradigms |
| Supervisor | Valeria da'Amico, Telecom Italia labs, Turin, Italy Dr. (Prof.) Isabella Ceruti, Scuola Sant Anna, Pisa, Italy |
| Context | 1. ARTIST-4G project (EU-FP7 project) (https://ict-artist4g.eu/) 2. EARTH project (EU-FP7 project) |
| Reference | 1. Winner+ Consortium 2. EU-press release-IP/09/1238 |
| Type of business or sector | Telecommunication Research and Development |

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| Dates | 1 st August 2007 Till 1-11-2008 |
| Occupation or position held | Product Application Engineer |
| Main activities and responsibilities | <ul style="list-style-type: none"> • Creation of innovative solutions and conceptual designs • Detailed design using CAD tools and preparation of system and subsystem specifications • Proposal preparation, including costs and schedules • Practical system integration and testing • Management of one or more project work packages • Liaison with customers(Chief customers include Britannia,Holcim & Tata group) |
| Name and address of employer | Schneider Electric India Private Limited(Fortune 500 Company headquartered in Paris, France) |
| Type of business or sector | Industrial Automation & Control |
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| Education and training | |
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| Dates: | November 2008-September2010 |
| Title of qualification awarded | MS in International Master in Communication Network Engineering |
| Principal subjects | Communication Networks, Optical Networks, Operating Systems, Neural Networks, Design of Communication Networks, Photonics, Network Optimisation, Stochastic Processes, Network Security, Embedded Systems, Wireless Communication |
| University | Sant' Anna School of Advanced Studies,Pisa,Italy |
| Final Grades | 84.60%, Rank-2 nd in IMCNE 2008-10 batch |
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| Dates | August 2003 To July 2007 |
| Title of qualification awarded | Bachelor of Engineering (Electrical) |
| Principal subjects | Electrical Machine Design, Communication Engineering, Microprocessor,Analog Computation and Simulation, Electromagnetic and Field Theory, Electrical Engineering Economics and Management, Power Systems, Power Electronics, Control Systems, Electronics Engineering, Computer Programming with Fortran 77,Instrumentation,Electrical Computation |
| University | Maharana Pratap University of Agriculture and Technology,Udaipur,India |
| Final Year Dissertation/Project | Implementation, Modelling &Simulation of Unified Power Factor Controller (Using DSP) |
| Final Year Seminar | <ol style="list-style-type: none"> 1. Comparison Of Industrial Topologies 2. Thermograph techniques in Chip Design |
| Final Grades | 76.10%, First Division, Ranked among toppers in the University |
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| Specialized training &Summer Schools: | |
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| Dates | 10 th May to 13 th May 2010 |
| Title of qualification | 2 ECTS by University of Bologna |
| Subject | Cooperating Objects |
| Organizing Insitute | COST2100,NEWCOM++ AND Cooperating-Objects Network of Excellence,Europe |
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| Dates | 8 th March to 12 th March 2010 |
| Title of qualification | 2 ECTS by European Space Agency |
| Subject | Antenna for Space Applications |
| Grades | Pass |
| Organizing Institute | ESTEC,European Space Agency,Noordwijk,Netherlands |
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| Dates | 5 th October 2009 to 9 th October 2009 | | | | | | | | | | |
| Title of Qualification | 3 ECTS by Universita' delgi studi di Firenze, Florence, Italy | | | | | | | | | | |
| Subjects | Frequency Domain Analysis of Antenna Design | | | | | | | | | | |
| Grades | Pass | | | | | | | | | | |
| Organizing Institute | Observatorio Ximeniano, European School of Antennas | | | | | | | | | | |
| Organization | Infosys Technologies | | | | | | | | | | |
| Dates | 18 TH September 2006 to 4 th December 2007 (130 Hrs. Classroom Lecture) | | | | | | | | | | |
| Principal Subjects | Computer Hardware and System Software Concepts, Programming Fundamentals, Relational | | | | | | | | | | |
| Personal skills | | | | | | | | | | | |
| Mother tongue | Hindi | | | | | | | | | | |
| | | Understanding | | | | Speaking | | | | Writing | |
| Other language(s) | English | Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| Self-assessment | | C2 | Excellent | C2 | Excellent | C2 | Excellent | C2 | Excellent | C2 | Excellent |
| Other language(s) | | Understanding | | | | Speaking | | | | Writing | |
| | Italian | Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| Self-assessment | | A1 | Basic | A1 | Basic | A1 | Basic | A1 | Basic | A1 | Basic |
| Honours and Special Mention | <ul style="list-style-type: none"> ■ Awarded Full Scholarship by Ministry of Foreign Affairs & Scuola Superiore Sant'Anna, Pisa for Master Program in "International Master in Communication Network Engineering" ■ Awarded Erasmus Mundus Scholarship by European Commission in year 2007 for "Erasmus Mundus Master in Computer Vision and Robotics" (did not claimed). ■ Was offered multiple job offers by leading Companies such as Tata Consultancy Services, Satyam, Cairn India and Schneider Electric before graduation. ■ Was Chosen as Outstanding Student in Quiz of Academic Year 2002 of entire School (out of 800 students) at School Level. ■ Travel and Study grant by European School of Antennas in 2009 and European Space Agency in 2010 ■ Was Chosen as the Best Final Year student in Quiz of year 2007 at University level. | | | | | | | | | | |
| Social skills and competences | <p>-Member of National Service Scheme, SAYEN, Institution of Engineers, Take it Global.</p> <p>-Won several awards in group songs, group Discussions & cultural events</p> | | | | | | | | | | |
| Organisational skills | <ul style="list-style-type: none"> “ Single Point of Contact for European program "COST2I00" for Scuola Superiore Sant Anna “ Execution of entire project with manpower and budget coordination at work for my clients “ Team leader of National Service Scheme at University level “ Awarded for best Science Project "Train brake Regenerative Systems at NIT-Trichy “ Awarded for best Project "Declining Vehicular Pollution" by Government of Rajasthan, India and represented the State of Rajasthan at the National Level | | | | | | | | | | |

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| Social skills and competences | -Member of National Service Scheme, SAYEN, Institution of Engineers, Take it Global. -Won several awards in group songs, group Discussions & cultural events |
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| Organizational skills | <ul style="list-style-type: none"> “ Single Point of Contact for European program”COST2I00”for Scuola Superiore Sant Anna “ Execution of entire project with manpower and budget coordination at work for my clients “ Team leader of National Service Scheme at University level “ Awarded for best Science Project “Train brake Regenerative Systems at NIT-Trichy “ Awarded for best Project ”Declining Vehicular Pollution” by Government of Rajasthan, India and represented the State of Rajasthan at the National Level |
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| Technical Skills | <ul style="list-style-type: none"> • Strong Knowledge of latest Cellular Wireless Standards including release 9 for LTE Advanced,3GPP LTE standards(release 8) • Strong familiarity with IEEE 802.11,IEEE 802.16 • Familiarity with all popular and existing Active and Passive Optical Networks • Hands on Experience with Optical Logic gates with SoA and Nonlinear Fibres • Hands on Experience with Optical Analyzers, Optical Fibres • Worked on Industrial Protocols of DeviceNet,Modbus and Modbus plus |
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| Computer skills and competences | Languages: C, Fortran 77,C++,Java Platforms: Windows 2000,XP,Server2003,Ubuntu Environments:NetBeans Software: Codesys, MATLAB,Simulink, Others:CircuitMaker,AUTOCAD,OPNET,Octave,GNUPlot Databases: PL-SQL, Oracle 10g |
| Internet Software Technologies | HTML, CSS, Javascript, DHTML, PHP |
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| References | Available on Request |