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| **DEEPIKA SHASTRI** | Contact Information: |
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| +1 (240) 825-8139  8125 48th Ave-Md 20740 |

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| **Education** | | | | |
| **University of Maryland, College Park** | | | | GPA-3.7/4 |
| Masters of Science in Telecommunications | | | | Aug 16- May 18 |
| **Courses:** AWS/PCS System Implementation, Digital Communication Systems, Marketing Management, Networks & Protocols, Wireless OFDM, RF Path Design, Cell Site Design and Components | | | |  |
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| **Atria Institute of Technology, Bangalore** | | | |  |
| B.E in Telecommunications | | | | June 15 |
| Antenna & Propagation, Analog Electronic Circuits, Signals & Systems | | | |  |

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| **Internship Experiences** | |
| **Technical Intern | Nokia Networks | Bangalore, India** | April 15 – Jan 16 |
| * Performed Sanity Testing, Regression Testing of 2G & 3G BTS software and feature testing * Built Automation Framework for test cases and log collection using Python * Prepared test environment as per test specifications and analysed log |  |

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| **Project Works** | | | | |
| **Network Deployment for GSM, LTE & WCDMA Systems** | | | | Aug 16 – Dec 16 |
| * Designed and simulated a cellular network deployment of GSM, LTE and WCDMA technologies for the city of Washington D.C and surrounding suburbs using Mentum Planet software * Completed the deployment simulation in four phases- Preliminary deployment, Fine tuning, LTE deployment and Interference analysis using Poseidon * Learned to balance resources with coverage quality as required in real world deployments, for 25 base stations, followed by a LTE deployment for 3 base stations | | | |  |
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| **Performance evaluation of 16 QAM digital communication scheme using Simulink** | | | | Aug 16 – Dec 16 |
| * Performed System level characterisation of 16- QAM communication system using Simulink and Gray Encoding to map the symbols * Evaluated SER and BER for different channel SNR by calculating tighter upper bound * Compared theoretical and practical results were against each other for sending 1 million symbols and found that they match each other till 15db of SNR | | | |  |
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| **Marketing Plan Elements** | | | | Aug 16 – Dec 16 |
| * Performed situation analysis of the company’s current marketing environment (5 C’s) & evaluated the current marketing program employed in the organization * Employed problem solving methods in marketing operations to effectively utilize a company’s marketing resources and activities | | | |  |
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| **Design of an Automated Test System for a Duplex Filter (1350MHz to 1850 MHz) | BHEL | Bangalore, India** | | | | Jan 15 |
| * Reduced manual effort and time required to calculate the 1dB bandwidth, insertion loss for the range of frequencies * Learned GPIB bus interface implementation for the external instrument control * Operation of a Network Analyser and Duplex Filter | | | |  |

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| **Technical Skills** | |
| **Software** | |
| * Mentum Planet * Wireshark * Ride * Robot Frame Work | * MATLAB * Simulink * Lab View * Visual Basic |
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| **Programming languages** | |
| * C * C++ | * Python |
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| **Wireless Protocols** | |
| * TCP/IP | * 802.11 b,g,a and n |

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| **Leadership Skills** |
| * Sergeant at ARMS of the Rotaract Club (District E, 3190) * Event Co-ordinator * Placement Co-ordinator |

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| **Work Experience** |
| **Tutor/Counsellor** |
| * Provide academic tutoring * Support lecturers during Academy classes * Perform desk duties ass assigned |

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| **Voluntary Experience** |
| * Member of Rotaract Club(District E.3190) |
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