RITESH VIJAY SARODE

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EDUCATION:

University of Maryland, College Park, Maryland
Master of Science in Telecommunications Engineering — Expected May 2017

University of Mumbai, Vidyalankar Institute of Technology, Mumbai
Bachelor of Engineering, Electronics and Telecommunication — Graduated - May 2013

TECHNICAL SKILLS:

Programming : C, C++, Core Java, Python, HTML5, CSS3, JavaScript
Certifications : CCNA
Networking : Routing & Switching, TCP/IP, UDP, OSI, OSPF, EIGRP, RIP, Virtualization
Platforms & OS : Ubuntu, UNIX, Microsoft Windows OS, VMware Workstation

EMPLOYMENT:

Network Engineer – *Trainee,* Gateway Maintenance Services, Mumbai — Jun. 2014 - Mar. 2015

- Reconstructed and configured networks to meet optimal performance needs to reduce number of network issues by about **10%**
- Performed network hardware and software troubleshooting, network error detection and network tuning.
- Maintaining network documentation and databases as well as offered Technical support

TECHNICAL EXPERIENCE:

Website Design for a Restaurant — April 2016

- Used **Bootstrap** framework in HTML5 and CSS3 to design responsive website which will successfully work on devices of all sizes using 'sm', 'md', 'lg' and 'row' classes
- Implemented mobile menu using 'collapse' class, navigation bar using 'nav' & 'navbar' **classes** and footer using 'panel-footer' class

Simulation of Downlink behavior of 3 sectored base station in PYTHON — April 2016

- **Simulated** the downlink for a base station which consisted of successful calculation of the diffraction, shadowing and fading losses and managing handoffs between sectors
- Used 'Numpy' and 'list of dictionaries' for fast computation and managing user database respectively

Network based Online Shopping Application, Socket Programming in 'C' — Nov. 2015 - Dec. 2015

- Developed three secure client-server architectures communicating using **TCP** protocol with multi-threaded authentication server in **UBUNTU-Linux** environment ensuring both IPv4 and IPv6 support
- Implemented **Hashmaps** to store inventory **database** and used debugging tools like **Valgrind** and successfully tested the code using **'cmocka' - unit testing** framework for C to achieve **automated testing**

Java Application to Securely Transmit Data over UDP — Oct. 2015 – Nov. 2015

- Programmed a secure client-server application in JAVA using **JAVA's socket API's** and successfully implemented transmitted data using DatagramPacket and DatagramSocket classes
- Successfully implemented **RC4** cryptographic encryption algorithm for secure transfer of data over UDP

CERTIFICATION & TRAININGS:

Dale Carnegie Training -'Step Up to Professional Excellence' & 'Generation-Next Program' — Aug 2012

CAMPUS INVOLVEMENT:

Graduate Student Government: Attended and actively participated in Graduate Student Government meetings as a proxy for a representative of ECE Department