

# ABHISHEK DAMLE

## CONTACT

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## SKILLS

### PROGRAMMING LANGUAGES

Python  
Java  
C  
MATLAB

### NETWORKING PROTOCOLS

RIP  
OSPF  
EIGRP  
BGP  
ARP  
DHCP  
TCP  
UDP

### SOFTWARES

Eclipse  
Cisco Packet Tracer  
CodeBlocks  
NS2  
Mentum Planet  
Alteryx  
Nemo WindCatcher  
MapInfo  
MS Office

## EDUCATION

### University of Maryland, College Park

Engineering Telecommunications 2017

Courses: Networks and Protocols I & II, Data Structures & Algorithms, Cloud Computing, Spreadsheet Modelling & Decision Analysis

### K. J. Somaiya College of Engineering, Mumbai

Electronics and Telecommunications 2015

## CERTIFICATIONS

### Cisco Certified Network Associate: Routing and Switching

Aug 2016

License Number: CSC013063505

## EMPLOYMENT

### TeleWorld Solutions

Chantilly, Virginia

RF Intern

Jun 2016 to Sep 2016

- Collaborated with a team of RF Engineers to work on Competitive Benchmark Testing Prep for Sprint and Northeast Region RFP - Benchmark Testing for T- Mobile
- Performed sanity checks on a daily basis for the incoming data from the markets to validate them against some pre-defined benchmarking parameters viz. RSRP, CINR, Downlink EARFCN, Dominant Pilot Ec, Dominant Pilot Ec/Io, Mobile Channel Frequency, etc.
- Generated high level stats for every market's daily drive as well as developed a comprehensive summary report which had to be presented to the client describing the testing process as well as enlisting the appropriate optimization steps
- Created drive routes for the upcoming markets by using powerful mapping tools like MapInfo and Microsoft Streets and Trips.
- Worked on some cutting edge wireless post processing tools like Nemo WindCatcher, Alteryx, XCAL etc. which helped in mapping the client's needs into concise reports

## PROJECTS

### Deploying Scalable Cloud Infrastructure using AWS

Sep 2016 to Present

- Created an Identity & Access Management (IAM) module to demonstrate access control
- Deployed a Virtual Private Cloud (VPC) and launched various EC2 instances with custom specifications
- Incorporated security groups to enable packet filtering
- Modeled the cloud environment with features like Elastic IP's, Auto- Scaling and Elastic Load Balancing

### Remote Transmitter-Receiver Connection Setup along with Reliable Data Transfer Using UDP

Nov 2015

- Developed a Transmitter-Receiver model using User Datagram Protocol with socket programming in JAVA in Eclipse IDE environment
- Designed a reliable data transfer scenario by implementing stop-and-wait protocol
- Provided security aspect to the remote connection by introducing integrity check field and encryption using RC4 algorithm

### Deployment and Analysis of GSM, WCDMA and LTE Network

Oct 2015 to Nov 2015

- Initial phases comprised of deploying 30 base stations that provided network coverage in Downtown DC and surrounding area depending on the given coverage specifications and avoiding call drops, if any.
- Sites were modeled in Mentum Planet for specific parameters viz EIRP, path loss model, antenna height, receiver threshold
- Provided LTE coverage using 4 base stations to the university campus to ensure a minimum data rate of 2.5 Mbps in phase three
- Computed and researched about the interference analysis due to the neighbouring microwave links using Poseidon

### Cisco Certified Network Associate Training (CCNA Training)

Jul 2015

- Implemented Virtual Environments using Cisco Packet Tracer Student
- Configured various routing protocols viz. RIP (v1 & v2), IGRP, EIGRP and OSPF
- Hands- on experience in configuring Layer 2 devices and integrating them in the virtually created networks
- Studied IPv4 addressing in depth along with introduction to IPv6

## ACTIVITIES

Institute of Electrical and Electronics Engineer · Joint Creative Head

2013 to 2014

Youth Rock Stage-Upvan Arts Festival, India · Organizing Team Lead

2014